PRODUCTION TEST

TABLE OF CONTENTS

TEST PERSONNEL QUALIFICATIONS WILL FOLLOW EACH TEST

* INCLUDE AS MANY SHEETS AS NECESSARY TO COMPLETE REQUIRED DATA

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

COMMERCIAL DATA SHEET - TANDEM SETS

JOB NO. 75744-1
METHOD NO.
DATE 11-17-81
TESTED BY Landis R Williams
CALC. BY
CHECKED BY Judy Jensen
GOV'T. INSP.

O.C. S.S. 19

GENERATOR		ENGINE	A	B
MAKE:	IDEAL ELECTRIC	MAKE:	EMD	EMD
SERIAL NO.:	305221N	SERIAL NO.:	79C1-1064	79C1-1054
TYPE: (BRUSHLESS ✓) (BRUSH)		MODEL NO.:	12-645-E4	R-16-645E4
KVA: 4875 KW: 3900 P.F.: .8		FUEL: DIESEL	✓	✓
VOLT: 4160		GAS		
AMP: 677		BUTANE		
CONNECTED FOR: (HI ✓) (LO)		GASOLINE		
(Y ✓) ( )		INJECTOR SIZE:		
R.P.M.: 900 HZ. 60		COOLING: KEEL		
BEARINGS: (NO.) (BALL ✓)		RADIATOR FAN		
(BUSHING)		HEAT EXCHANGE	✓	✓
DRIVE: (DIRECT ✓) (GEAR)		STARTER: AIR	✓	✓
(BELTS)		ELECTRIC		
EXCITATION TYPE:		MECHANICAL		
MODEL NO.: ERBA VOLT: 125		MAKE:	Pow-R-Quick	Pow-R-Quick
FIELD AMPS: 37 ARM. AMP.				
R.P.M. 900		VOLT:		
GOVERNOR MAKE: Woodward		SAFETY: SHUTDOWN: ALARM		
MODEL NO.: 3240-492		LOW OIL PSI:		
TYPE: EGB-12		HIGH WATER °F SEE TEST PAGES		
[illegible] MAKE: EMD		OTHER:		
[illegible]		OIL (✓) WATER TEMP.: (✓)		
[illegible]		[illegible] (✓) BATT. AMP.: ( )		
[illegible]		[illegible] (✓) SPEED: ( )		
[illegible] A B C		ROTATION: #1: #2:		

SWITCH GEAR
VOLTMETER MAKE: G E
SCALE: 0-5250
AMMETER MAKE: G E
SCALE: 0-5000 CT RATIO: 1
FREQ. METER MAKE: G E
SCALE: 55-62
WATTMETER MAKE: G E
SCALE: 0-6000 CT RATIO: 1
METER MAKE:
SCALE:
TIME METER MAKE: G E
PHASE SWITCH MAKE: G E
VOLTAGE REG. MAKE: BASLER
MODEL NO.: SR3A2 VOLT: 120 0C03A
TYPE: RATED AMPS:
CIRCUIT BREAKER MAKE:
MODEL:
TRIP AMPS:
RHEOSTAT MAKE: BASLER
OHMS: 175 AMPS:
ELECTRONIC CONTROL MAKE: Woodward
NO.: 17434P VOLT: CPS: 60

START AND LOAD ACCEPTANCE QUALIFICATION TEST

PROCEDURE:

1. A valid start and load test is defined as a start from a keep warm temperature condition with acceleration to rated speed and voltage within ten (10) seconds. generator acceptance of 1935 KW (50% of rated load), and stabilization of rated voltage and frequency.

2. Maintain a chart recording of the starting time, generator voltage, frequency, and load current verus time throughout the test.

3. Following a start, and load run for 10 minutes, the unit will be stopped and the cooling bypass valves changed permitting circulation for accelerated cooling, down to keep warm temperatures.

4. The subsequent start cycle will be iniated when the outlet water falls to standby keep-warm temperature (125°F) and lube oil temperatures fall to within ±10°F of stanby keep-warm temperatures. This applies to all (270) starts from standby keep-warm temperature.

   All "hot" starts will be initiated after a five (5) minute shutdown interval from the preceding start, to assure temperatures do not fall below ± 10°F from normal operating temperatures.

5. After each twenty-fifth (25th) start the normal load run as determined in paragraph 3 will be replaced by a one (1) hour load run at 100% load (3869 KW).

6. After each 25th start, the moisture will be drained from the air volume tank (s), the strainers and starters will be removed, disassemble, cleaned, inspected and maintained. Any repairs, adjustments, or other observations will be recorded in the remarks section of the test record. STEWART & STEVENSON RETAINS THE PEROGATIVE OF BEING ABLE TO SUBSTITUTE EIGHT (8) AIR START MOTORS IN ORDER TO CONTINUE TESTING IF REFURBISHMENT OF THE START MOTORS USED FOR THE PRECEEDING 25 STARTS CANNOT BE ACCOMPLISHED OVERNIGHT.

7. Record all data required by the test record for each start, and record any malfunction, repair, observation, etc., which occurs in the remarks section of the test record.

START AND LOAD ACCEPTANCE QUALIFICATION TEST

TEST TITLE: Factory Starting Reliability Test

OBJECTIVE: To determine that the set meets the start reliability and confidence level outlined in the Procurement Specification.

GENERAL SET-UP: The SSDG set will be mounted on a test stand with all external support equipment connected by flex couplings. The load will be applied by the use of water rheostat load banks.

DESCRIPTION OF TEST: At least 300 valid start and load tests will be made at the factory facility. Two hundred and seventy (270) starts will be made with the set within ± 10°F of the standby keep-warm engine temperature of 125°F. The additional thirty (30) starts will be made at normal temperatures following a cold start sequence allowing a five (5) minute interval for the collection and recording of data. The "hot" starts will be initiated as the tenth (10th) start, and every tenth start thereafter. After each start signal the unit will fire, continue to run, and reach rated speed and voltage within ten (10) seconds after the initiation of the start signal. A load of 1939 KW (50% of rated load) will be applied to the unit after the unit has reached the rated speed of 60 HZ., and rated voltage of 4160 volts, and will continue to operate for (10) ten minutes.

ACCEPT/REJECT CRITERIA: During each successful start, the engine shall reach rated speed and voltage within ten (10) seconds of the initiation of the start signal. At no time during the loading shall voltage decrease to less than 75% of nominal 4160 Volts, or shall frequency decrease to less than 95% of nominal (60 HZ.). Voltage should be restored in less than 2 seconds to within 10% of nominal and frequency should be restored to within 2% of nominal in less than 40% of loading time interval. The unit shall accept 50% of the continous rated KW load as per IEEE 387.

A total of three hundred (300) starts will be made with no more than three (3) valid failures allowed. A failure rate in excess of one (1) per hundred (100) starts will require further testing as well as review of the system design adequacy.

A valid failure is the failure to start and load as defined in Paragraph 1 of the Factory Starting Reliability Test Procedure.

A non-valid failure is defined as a malfunction in test equipment, external circuitry loads, or any component not attributable to the reliability of the engine-generator. Also, any malfunction of any component during the starting cycle which does not hinder a successful start as defined in paragraph 1 is not considered to be a failure. All malfunctions will be recorded and corrections made as required.

300 Start & Load Qualification Test

The 300 Start Qualification testing began on 12-29-81 at 10:04 a.m. The assigned test technicians were Tom Williams and Oscar Tatuaka under the direct supervision of Gary Heathcott, Test Department Manager. The test was witnessed by Tom Bixby of Stewart & Stevenson's Quality Control Department and Tom Flannery of Baldwin Associates.

The following information is a critique of each 300 start test performed. The critique shall be utilized as an explanation and clarafication in the event any question arises to validity of any particular start test.

The test results shown on sheets 1 thru 6 were performed on 12-29-81 thru 1-14-82. The start tests shown were voided, due to the temperature readings being recorded at the conclusion of the run, in lieu of the recording of the standby temperature at the time of signal to start.

#1-10 ITEM A: Starts 1 thru 10 shows temperatures recorded at completion of test.

#20 ITEM B: Start #20 has a start time of 11.3 and temperatures recorded at completion of test. Slow start due to low air pressure. Pressure raised to 210 PSI.

#21 ITEM C: Start #21 temperatures recorded at completion of test.

#22 ITEM D: Start #22 had a slow start of 10.5 seconds and temperatures taken at completion of test. Slow start caused by load being applied during start cycle.

#23 ITEM E: Start #23. The start time was within Specification at 9.6. The unit shut down after load was applied the unit shut down due to high crankcase pressure. High crankcase pressure resulted from auxilary lube oil cooler ruptured sending cooling tower water into the crankcase. The main bearings were inspected by Oscar Tatuaka and it was decided that all main bearing shells should be replaced. The cause of the heat exchanger failure was a vibration crack in to inner tubes.

#23 ITEM F: Start #23A. Test Personnel were instructed on when temperature data should be taken and from which instrument. This test was not recorded on test report but is recorded in daily log. The second attempt at Start #23 was conducted on 1-13-82. The unit shut down due to low oil pressure due to a 38°F temperature at lube oil temperature switch.

#23 ITEM G: Start 23B & 24. The third attempt at Start #23 was performed on 1-14-82 at 10:28 a.m. The start time was within Spec (9.4) but the KW Channel on strip chart was not operating. The test technician terminated the test after applying 1935 KW with not chart recording.

ITEM H: Start #23C. Start 23C shows start time of 9.4 sec and temperature recorded properly.

#24 ITEM I: Start #24. Time 9.5 sec, temperatures recorded properly and correctly.

#25 ITEM J: Start #25. Time 9.6 sec, temperature recorded properly and correctly. Water and lube oil temperatures high due to cooling tower low water caused by frozen switch.

#26 ITEM K: Start #26. Terminated due to operator, error in not starting the chart.

#26 ITEM L: Start #26A. Terminated due to operator error in turning on the fuel pumps.

#26 ITEM M: Start #26B. Start terminated due to operator failure to open air valve.

#26 ITEM N: Start time was 9.8 sec. with temperatures recorded properly and correctly.

#27 ITEM O: Start #27. Start time was 9.75 sec with Spec., temperatures recorded properly and correctly.

#28 ITEM P: Start #28. Start time was 9.45 sec, within Spec, temperatures recorded properly and correctly.

#29 ITEM Q: Start #29. Start time was 9.4 sec, within Spec, temperatures were recorded properly and correctly.

#30 ITEM R: Start #30. Start #30 was a slow start, start time was 11.0 seconds, out of Spec. The Slow Start was due to the failure of one motor to engage. Technician connected large & smaller receiver tanks together by means of a manifold upon recommendation from Engineering.

#30 ITEM S: Start #30A. Start time was 9.5 sec, within Spec, temperatures were recorded properly and correctly. Start #30A was a hot start. The start was voided by note date 01-20-82 in order to minimize any confusion in starting over.

The previous starts and starting attempts were voided on 01-20-82 by Rich Stevens (see Sheet #7) due to the complete breakdown in communication, tests not being performed in accordance with test procedures, IEEE 387-77, temperatures taken from wrong instruments and at incorrect time, not rerunning invalid starts, and not recording all starting attempts in the official test report.

On 01-20-82, after Test Review Review, it was decided to start testing over again. The official valid tests would begin with #31. The start #31 would be officially noted as the #1 start. The #30 start was void in order to simplify the test starting, since the procedure stipulates every 10th start shall be a hot start and starts #31-#39 were valid starts meeting all test requirements. Start #40, 1-17-82, was hot start which was slow in starting, 10.95 sec.

The slow start was the result of an insufficient volume of available air supply. The Test Department installed a second large air receiver tank and leased an air compressor, in order to maintain an independent air supply.

On 01-20-82 official testing resumed with a hot start, start #10, in the Official Test Report, which showed no adverse problems in meeting specifications or documentation.

The following information is supplied to address and clarify any start test where either the start time (10 sec) was not met or where loads were terminated, starts were terminated as failures occured.

Start and Load Qualification Tests through #49 were performed in accordance with approved test procedures, start times were within Spec (10 sec), temperatures,(125-10°) standby keep warm, were maintained and recorded properly.

#50 Start #50 had an automatic shut down during load portion of test due to over heating. The over temperature was the result of the auxiliary equipment (cooling tower water line) was clogged up with debris. The cause initially was thought to be a valve being only half open, an oversight by the test technician.

Start #50 second attempt. The attempt, on 1-24-82, was initiated at 9:27 a.m. The unit started in 9.8 sec. and shut down after 7 minutes into the 1 hour load run. The investigation after this shutdown showed the cooling tower waterline was clogged with debris. The waterline was cleaned along with the bottom of the cooling tower tank in order to assure the prevention of re-occurance of this particular problem.

#50 Start #50 third attempt-The third attempt of Start #50 shows a start time of 9.1 sec and a high temperature of 220°, 12 cylinder lube oil, the same as was reached during the previous 1 hour load run in Start #25.

The Starts #50 throught #125 were performed in accordance with approval procedures. The start times varied from 8.9 sec to 9.75 sec, within Spec. The temperatures were recorded properly and standby temperatures established prior to signal to start. There were no failures, non valid starts, terminations or operator errors.

#126 The first start attempt on Start #126, as shown in the test record never occured. The test technicians read air manifold pressure from Unit #1 gage panel and walked around unit and discovered the auxiliary lube oil pump motor had smoke coming (testline equip) from the housing. It was determined the auxilary motor was under sized for the pump size. The motor was replaced on 2-1-82 and testing resumed.

Starts #126 through #167 were performed in accordance with approved procedures. The start times were within Spec, temperatures were establised prior to signal to start. There were no failures, non valid starts, terminations or operator errors.

#168 - Start #168. The unit shut down after load was applied after approximately 50 seconds into the load run. The ambient temperature recorded in the test record shows 41°F, when actually it was 38°F at the location of the unit. The thermometer was located on the far side window of the test booth where heat from inside of the test booth caused a false reading on the thermometer. The temperature at the location of the thermometer was compared to the temperature at the Unit #1 gage panel. The temperature at the gage panel was 38°F, a difference of 3°F.

The 38°F, actual temperature, plus start #168 was the first start of the day, 2-4-82, at 7:51 a.m., resulted in a low oil pressure shut down. The 38°F at which the unit shut down is below the minimum temperatures starting capabilities. The operator should have known the minimum temperature starting requirements. The unit was not prelubed prior to test start, not allowing warmed oil to reach throughout the system resulting in a low lube oil pressure indication.

The test technician was instructed to relocate the thermometer for ambient temperatures reading from the window of the test booth to the Unit #1 gage panel.

The first start #168 was not a valid failure, it is attributed to operator error and ambient temperature outside the parameter of specifications.

#168-213 Starts #168-#213 were performed in accordance with the approved test procedures. The start times were within Spec. The temperatures were recorded correctly and readings taken prior to signal to start. There were no failures, terminations or operator errors.

#214 Start #214 failed to start in the specified time of 10 sec. The start time was 10.8 seconds and is shown in the test record dated 2-8-82. The start time was slow due to the test technicians failure to purge the air start system of moisture.

The area was completely covered with water due to the high humidity and low ambient temperature. The slow start caused the technician to realize his failure to purge. After completion of the air system purge (20 minutes later) the unit was started and reached a rated speed in 9.4 sec.

The start #214 is classified as an operator error under IEEE-387-77 para. 6.3.2(5)(A)(B). The first attempt at Start #214 was non-valid failure.

Starts #214-229 were performed in accordance with approved procedures. The start times were within Spec. and the temepratures were recorded properly. Temperatures were taken prior to signal to start. There were no failures, invalid starts, terminations, operator errors.

#230

Start #230 took approximately 16 seconds to reach rated speed. The unit was shut down at approximately 8:05 a.m. The cycles on Start #229 fluctuated approximately .5 cycles during the load test. The fluctuation was noticed by the test technician. Start #230, a hot start, was attempted at approximately 8:05 a.m. at which time a failure occurred. The unit was secured in order to perform an investigation into the probable cause.

Woodward Governor was contacted by Mr. Heathcott to assist in the investigation. Woodward Governor arrived on 2-11-82 to confirm Stewart & Stevenson theory that the governor on the 12 cylinder would not open the fuel rack completely. The 12 cylinder governor, S/N1593769, was sent to Woodward far failure analysis and repair. Woodward supplied Stewart & Stevenson with a replacement governor, S/N 1911403. The replacement governor was installed, but would not open fuel racks completely in order to start the unit in Spec. Woodward was called again to replace governor (S1911403) with original rebuilt governor (S/N1593769). Stewart & Stevenson made 42 trouble shooting starts on 2-23-82, 2-24-82 and 2-25-82.

The Start #230 is a failure in accordance with IEEE 387-77 Section 6.3.2 (1)(4). The failure to reach rated voltage and frequency was not within Spec, caused by a failure of a major component.

#230-279

Starts #230 thru #279 were performed in accordance with the approved test procedures. The start times were within Spec. The temperatures were recorded correctly and readings taken prior to signal to start. There were no failures, terminations or operator errors.

#280-A

Start #280A, dated 2-28-82 at 10:09 a.m., failed to start and reach rated voltage and frequency within 10 seconds. The start time was 11.2 sec. and the load was applied for a period of 3 minutes. The load was terminated due to the long start time. Mr. Heathcott contacted Woodward governor concerning the course of the failure. Woodward suggested replacement of the boost cylinder on the 12 cylinder engine. The boost cylinder was replaced on 2-28-82 and two trouble shooting starts for detection of any other problems.

#280-B

Start #280Bon 2-28-82 at approximately 12:09 failed to start. The signal to start was initiated and the engine made no response. The lack of response was due to the operator not letting the unit cool down sufficient amount of time to permit the lube oil pressure return to zero.

The start signal is shown on the strip chart as a start signal.

The failure to start on #280B was the direct result of an operator error as per IEEE-387-1977 Par 6.3.2 (5)(A). The operator waited 5 minutes prior to next attemp to ensure lube oil pressure returning to zero.

#280-300

Starts #280-300 were performed in accordance with approved procedures. The start times were within specification. The temperatures were recorded and readings were taken prior to signal to start. There were no failures, terminations or operator errors.

The final review of the 300 Start and Load Acceptance Qualification Test shows that there were three non valid starts due to operator errors as per IEEE-387-77 Par. 6.3.2 (5)(A); 4 non valid starts attributed to temporary services as per IEEE387-77 Para. 6.3.2(5)(E); and 2 failures, #230 and #280 as per IEEE387-88 Para 6.3.2(1).

Engineering

Test Line

Quality

NON-CONFORMANCE REPORT

(INTERNAL)

NCR LOG NUMBER: 1386	TAT NUMBER: 021077	DATE: 2/26/82
INSPECTOR: T. BIRKY	DISCREPANCY NATURE: START TEST (300)	WORK ORDER NUMBER: N75744
SHOP/AREA OF RESPONSIBILITY: TESTLINE #28		QUALITY CONTROL SUPERVISOR: RSP
		DATE LOGGED: 3-5-82

STATUS:

- ☐ DRAWING NUMBER _____
- ☐ SPECIFICATION TEST REPORT
- ☐ IN PROCESS
- ☑ FINAL INSPECTION

DEFICIENCY DESCRIPTION: POWER FACTOR RECORDED DURING 300 START QUALIFICATION WAS RECORDED WITHOUT INSTRUMENTATION. FOR JUSTIFICATION.

CAUSE: INSTRUMENTATION NOT AVAILABLE PRIOR TO START #231

DISPOSITION:

- ☐ REWORK
- ☐ REPAIR
- ☑ USE AS IS
- ☐ SCRAP

J. A. Wiener

- ☐ APPROVED
- ☐ DISAPPROVED

MATERIAL REVIEW BOARD _____

- ☑ APPROVED
- ☐ DISAPPROVED

Richard Stumm
QUALITY ASSURANCE ENGINEER

- ☐ APPROVED
- ☐ DISAPPROVED

CUSTOMER _____

CORRECTIVE ACTION: _____

DATE REQUIRED BY: _____

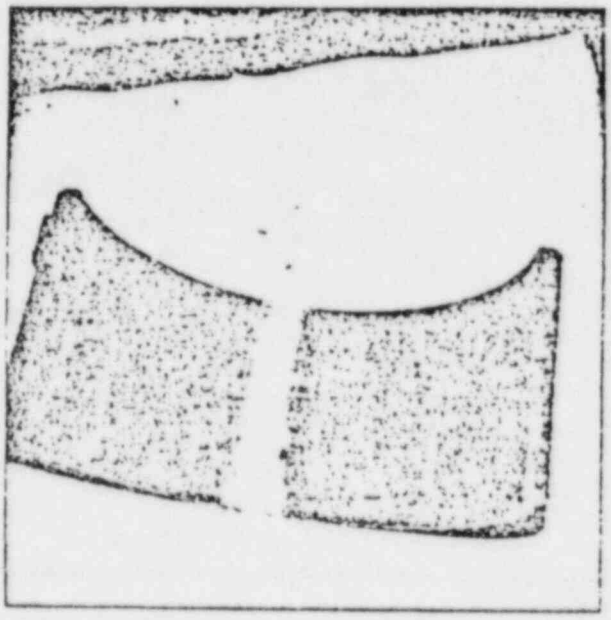
TYPE OF INSPECTION REQUIRED:

- ☐ HYDRO
- ☐ VISUAL
- ☐ DIMENSIONAL
- ☐ NON-DESTRUCTIVE EXAMINATION

CORRECTIVE ACTION COMPLETE: _____

INSPECTED BY: _____

IDGOIKA



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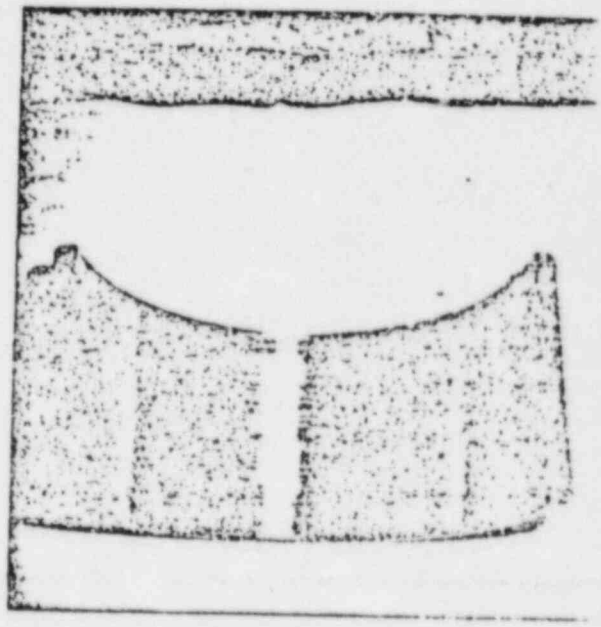

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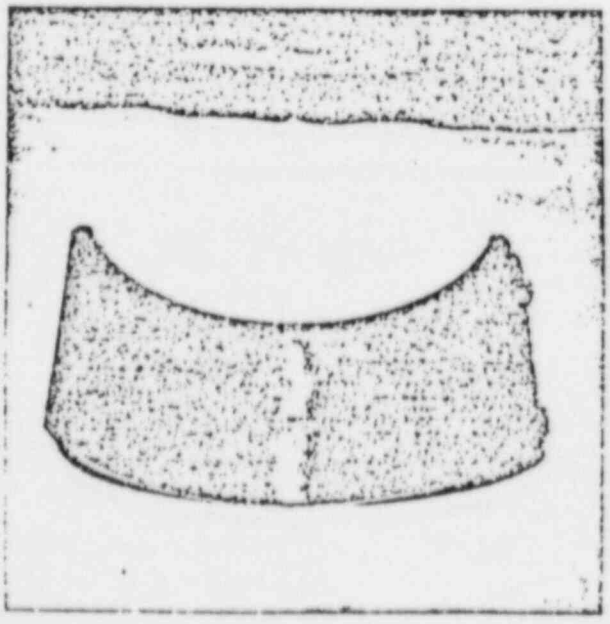

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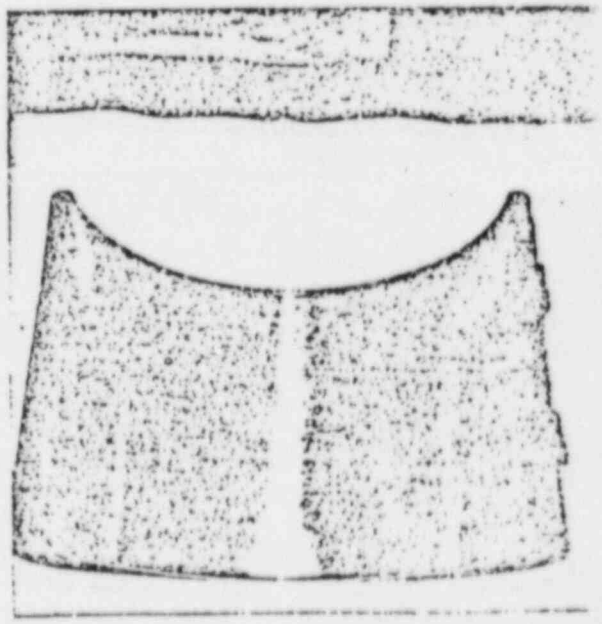

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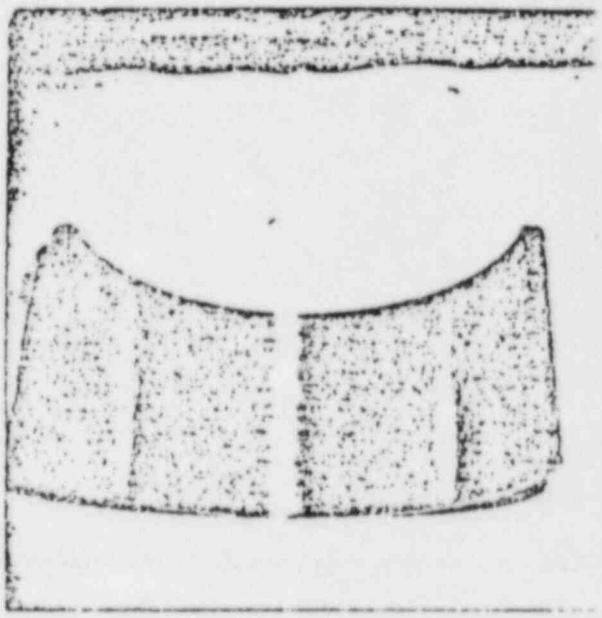

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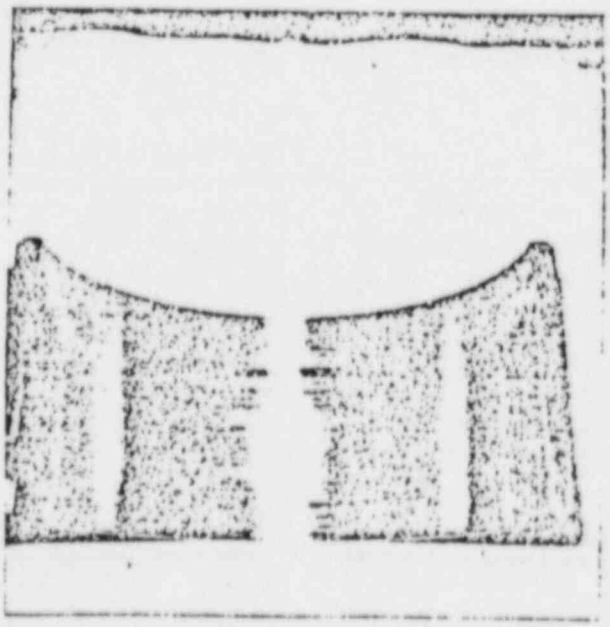

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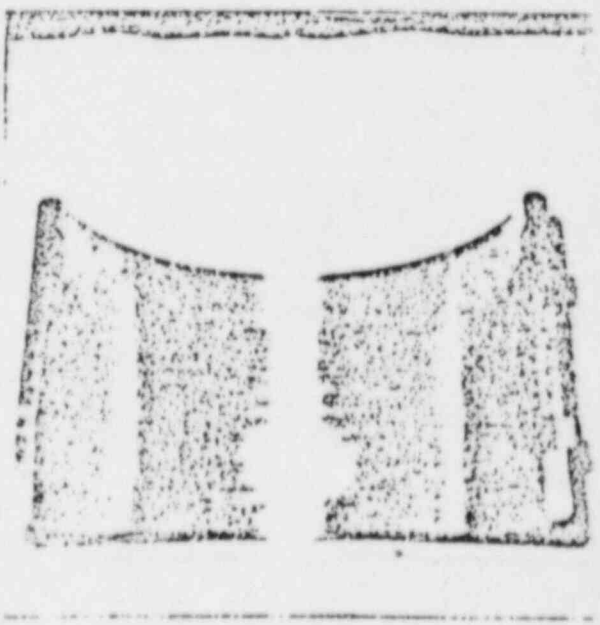

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STEWART & STEVENSON SERVICES, INC.

NONCONFORMANCE REPORT

Entered
Record # 125
Closed 1-6-82

No. 1270 Date 12-17-81 ☐ Repetitious

Work Order No. M25719 Unit # 1 Reject Tag No. _____ Inspector Stevens

Supplier S & S - EMD

Nonconformance (describe) Failure in the auxillary heat exchanger (American Standard) used in the Lube Oil Cook Down between 300 Qualification Test. Water was discovered upon the removal of auxillary circulating pump, during an investigation of a possible pump failure at which time, water was discovered in the oil line.

Reference Document (DWG, SPEC, STD): EMD

Disposition: ☑ Rework ☐ Repair ☐ Use As Is ☐ RTV: Rework and Cleanup

Cleaning all main bearings paying attention to any other components requiring replacement. All Lube filters to be changed after rework.

Participants: Tom Bayse

Disposition:

☑ Approved ☐ Disapproved

Quality Assurance/Quality Control

☐ Approved ☐ Disapproved

Customer

Corrective Action (if required) _____

Corrective Action Completed (date) _____

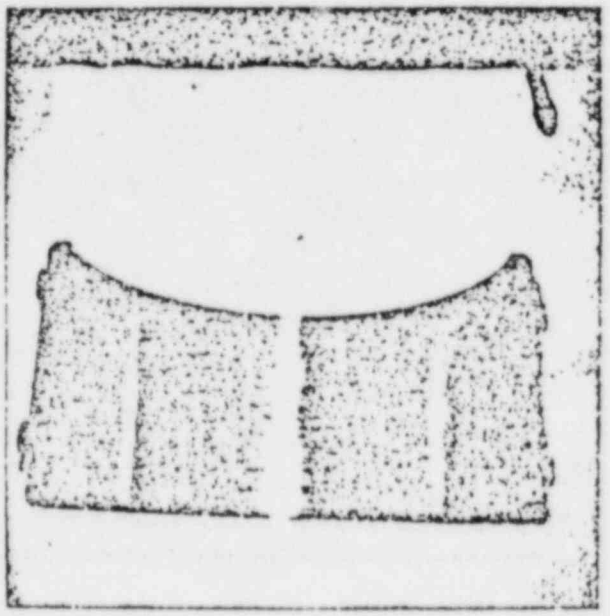
Fowarded to Customer (date) _____

Re-inspect (date) 12/21/81 Inspector P R Bigby Accept Reject

Distribution: ☐ MRB ☐ Q.C. ☐ PURCH. ☐ ENG. ☐ PROD. ☐ Q.A. MANAGER

Tom Bayse

10G01KA



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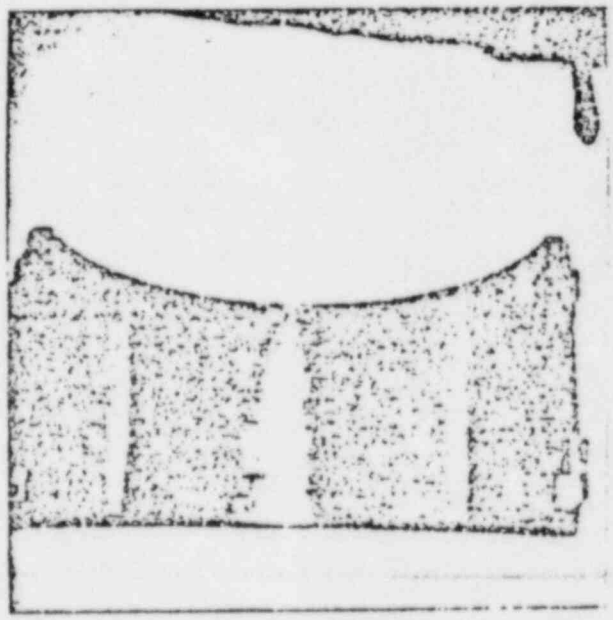

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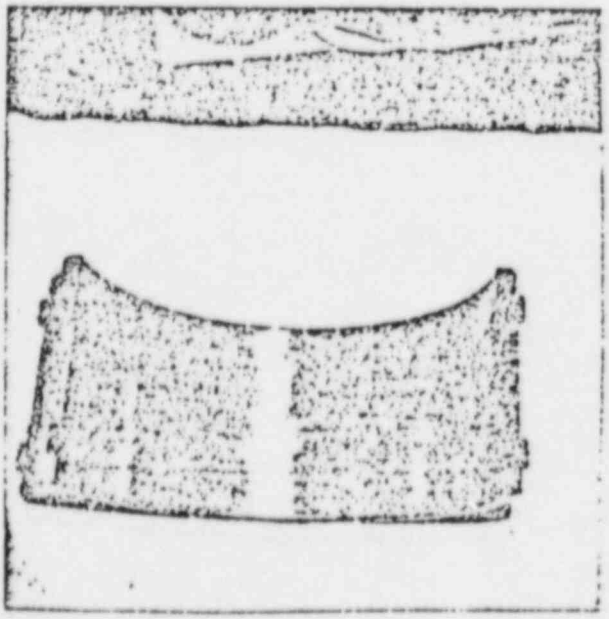

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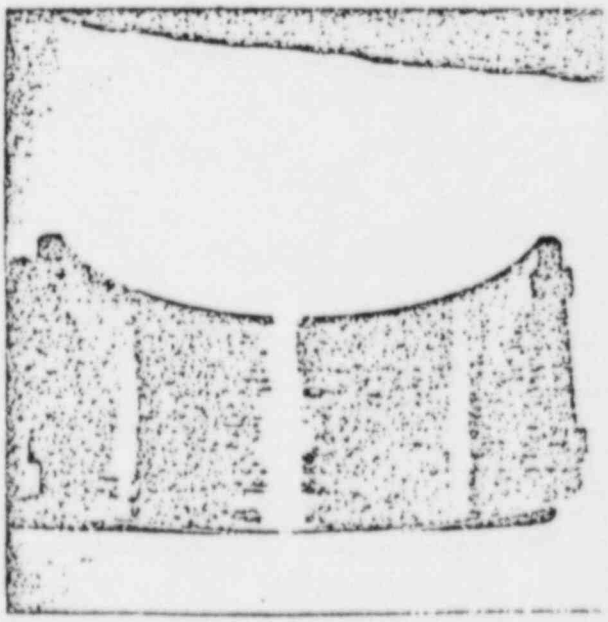

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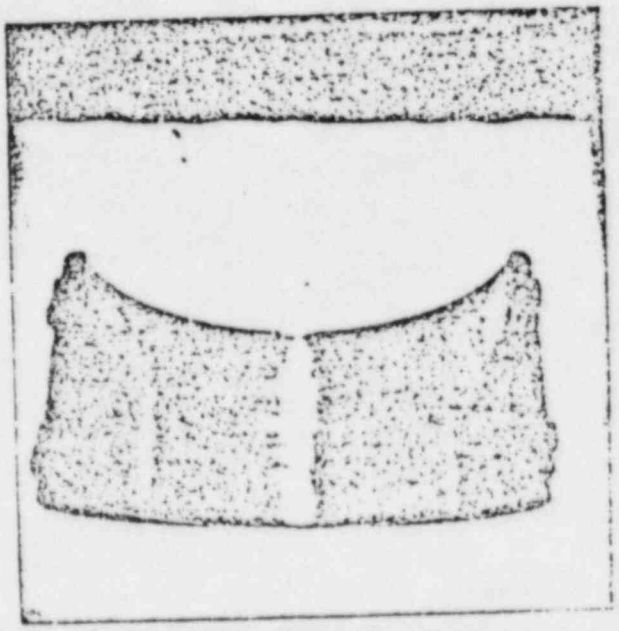

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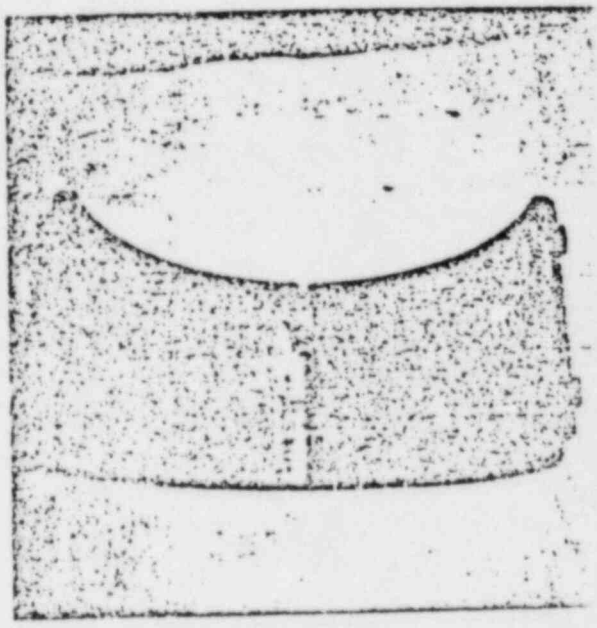

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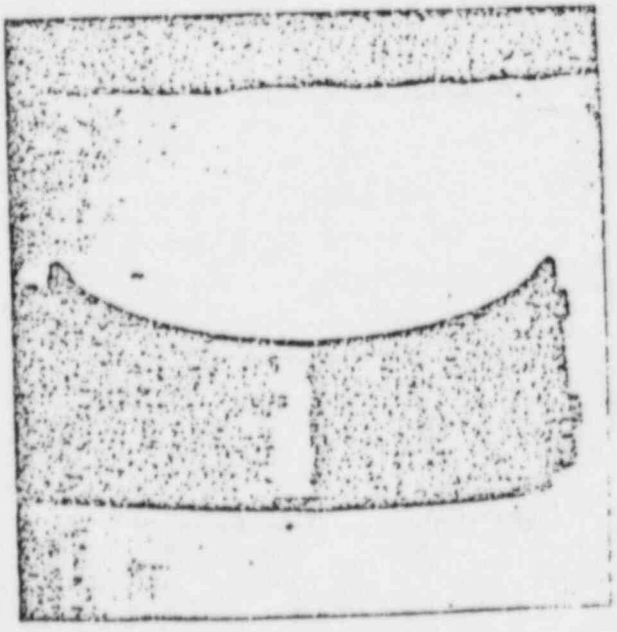

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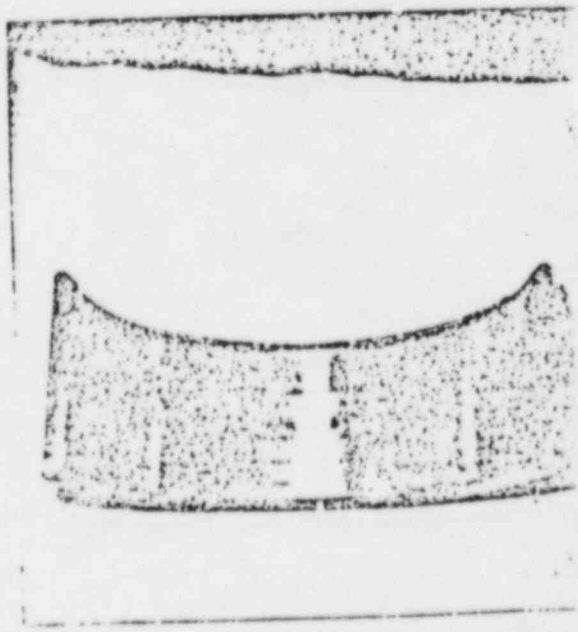

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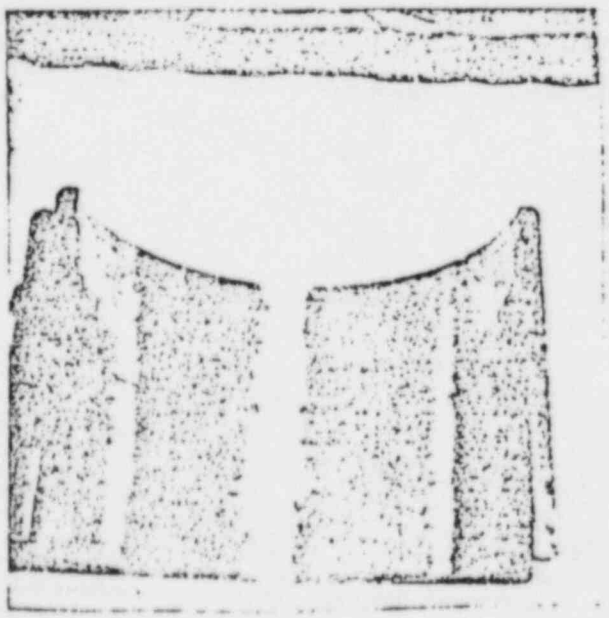
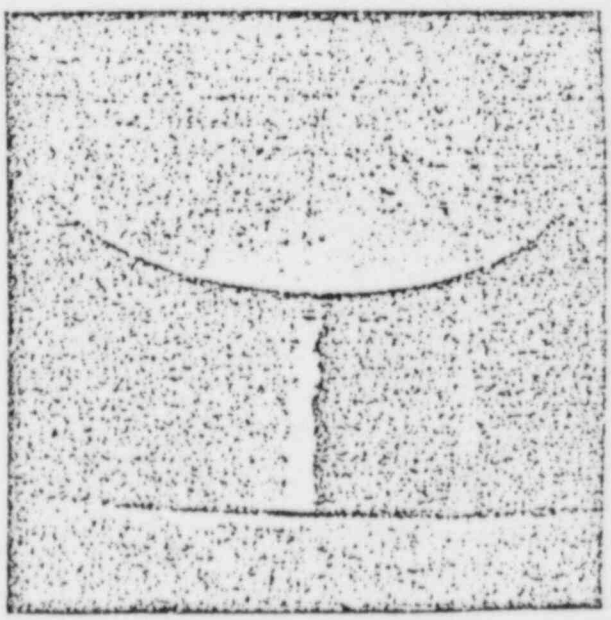


10



9

QUALITY CONTROL REPORT

DATE 12/3/81

SUBJECT: 30c start test

PROJECT: Nuclear (ILL. power)

W/O NO.: 75744

VENDOR: S+S

ITEM: Test line

CONTACT:

DRAWING NO.: N/A

REV.:

CONTROL NO.:

DEFICIENCY SHEET NO.: N/A

NONCONFORMANCE REPORT NO.:

INSPECTION STATUS TAG ATTACHED

IN PROCESS

RELEASE TAG NO.:

PRE-TEST ELECTRICAL

OTHER

S & S Q.C. PROCEDURE: Q10

REV.

REV.

INDICATE WHICH DIMENSIONS WERE CHECKED, IF ANY

At aprox 11:20 start #23 was accomplished. Aprox 2 min. into test #2 ENG. oil Filter restriction alarm light came on. It was reset and re-alarmed 3 times Aprox 8 min into test Unit shut-down and the alarm for high crankcase pressure showed.

At aprox 2:00c (14 oclock) mech. opened engine hand hold covers and found the lube oil to be well mixed with water (fresh-water) The water entered the lube oil system from the test facility (water-oil) heat-exchanger (Heat exchanger has internal rupture.) Engine #2 was then drained of all lube oil and mech. is Keeping a two(2) gallon sampler

COMMENTS:

T. R. Bidwell

CG SS-19

QC.

PAGE

QUALITY CONTROL REPORT

555-1153

DATE 1/13/82

SUBJECT 300 start test	PROJECT Nuclear (ILL. Power)
W.O. NO. 55744	VENDOR S+S
LOCATION test line.	CONTACT
DRAWING NO. N/A.	REV. / CONTROL NO.
DEFICIENCY SHEET NO. N/A.	NONCONFORMANCE REPORT NO.

INSPECTION STATUS TAGS ATTACHED

IN PROCESS	REJECT TAG NO.
PRE-TEST ELECTRICAL	OTHER
S & S Q.C. PROCEDURE QC	REV. / REV.

INDICATE WHICH DIMENSIONS WERE CHECKED, IF ANY

After second heat exchanger (oil + water) failure tech's replaced heat exchangers with larger and more effient ones. The 12 cylinder engine required installing an additional exchanger in series. ~~with the~~ to facilate cooling time.

ATTACHMENTS

SIGNATURE [signature] QC 15-19 TITLE QC.

PAGE of

QUALITY CONTROL REPORT

DATE 1/13/82

SUBJECT 300 start test

PROJECT Nuclear ILL. power

W/O NO. 75744

VENDOR S+S.

ON Test line

CONTACT

DRAWING NO. N/A

REV.

CONTROL NO.

DEFICIENCY SHEET NO. N/A

NONCONFORMANCE REPORT NO.

INSPECTION STATUS TAGS ATTACHED

IN PROCESS

REJECT TAG NO.

PRE-TEST ELECTRICAL

OTHER

S & S Q.C. PROCEDURE

REV.

REV.

INDICATE WHICH DIMENSIONS WERE CHECKED, IF ANY

Replaced lower main bearing on 16 cylinder engine. Flushed oil system. Changed all oil filters on 16 cylinder engine. Re-serviced unit with new oil.

Above is action taken after failure of the 16 cylinder test cell heat exchanger which introduced water into the lube oil system.

ATTACHMENTS

SIGNATURE P. R. Rock

SS-19

TITLE Q.C.

PAGE 1 OF

CALIBRATION VERIFICATION

WORK ORDER: 75744

Daily cal check.

QUALITY CONTROL: S.R.B.

TEST: 300 start test

TEST TECHNICIAN: [signature] 12/29/81

INSTRUMENT	ACCURACY LEVEL	SERIAL NUMBER	CALIBRATION DUE DATE	UTILIZED THIS TEST	QC INITIAL & STAMP
Multi - Amp	1% of F. S	SGS S/N-110 20838	2-06-82	✓	TRB QC SS-19
Chart Recorder	Varies with Applicability	075507	3-04-82	✓	QC SS-19
D. C. amplifier	Varies with Applicability	071822	3-04-82	✓	TRB QC SS-19
Freq. Dev. Counter	Varies with Applicability	075531	5-30-82	✓	TRB QC SS-19
RMS Level	Varies with Applicability	075889	3-08-82	✓	QC SS-19
D. C. Amplifier	Varies with APPLICABILITY	071823	4-15-82	✓	QC
D. C. Amplifier	Varies with Applicability	073338	4-15-82	✓	QC SS-19
RMS Level	Varies with Applicability	New C14224 072205	Change 2-24-82 2-20-82/TRB-82	✓	TRB QC SS-19
Volts A. C.	3/4 %	S. S. #15	5-16-82	✓	TRB QC SS-19
A. C. Ampimeter	1/2 %	S. S. #245	1-13-82		
Volts D. C.	1/2 %	S. S. # 113	4-21-82		
Digital Multi-meter	0.1% of input	070814	4-05-82		
Hz Meter	.1 hertz	607	2-11-82	✓ 1/30/82	TRB QC SS-19
K. W. Meter	1/2 %	416	3-08-82		
12/29/81 QC SS-19 TRB		1/20/82 TRB	QC SS-19	1/30/82 TRB	QC SS-19
12/30/81 TRB		1/21/82 TRB		1/31/82 TRB	
12/31/81 TRB QC SS-19		1/22/82 TRB	QC SS-19	2/1/82 TRB	QC SS-19
~~1/9/82 TRB~~		1/23/82 TRB		2/2/82 TRB	
1/13/82 TRB QC SS-19		1/24/82 TRB		2/3/82 TRB	
1/14/82 TRB		1/26/82 TRB	QC SS-19	2/4/82	TRB QC SS-19
1/15/82 TRB QC SS-19		1/27/82 TRB	QC SS-19	2/5/82	TRB
1/16/82 TRB QC SS-19		1/28/82 TRB		2/6/82	TRB
1/17/82 TRB		1/29/82 TRB	QC SS-19	2/8/82	TRB

FORM QC203

CALIBRATION VERIFICATION

WORK ORDER: 75744

QUALITY CONTROL: J. B. Goff

TEST: 300 start test

TEST TECHNICIAN: Santio Rivellia 11/4/82

INSTRUMENT	ACCURACY LEVEL	SERIAL NUMBER	CALIBRATION DUE DATE	UTILIZED THIS TEST	QC INITIAL & STAMP
Multi - Amp	1% of F. S	SGS S/N-120 20838	2-06-82		
Chart Recorder	Varies with Applicability	075507	3-04-82		
D. C. amplifier	Varies with Applicability	071822	3-04-82		
Freq. Dev. Counter	Varies with Applicability	075531	5-30-82		
RMS Level	Varies with Applicability	075889	3-08-82		
D. C. Amplifier	Varies with APPLICABILITY	071823	4-15-82		
D. C. Amplifier	Varies with Applicability	073338	4-15-82		
RMS Level	Varies with Applicability	New cal'd 072205	changed 2-24-82 2-20-82 7/16-82.		
Volts A. C.	3/4 %	S. S. #15	5-16-82		
A. C. Ampimeter	~~<1/2~~ %	~~S. S. #245~~	~~1-13-82~~	change cut	of cal. TRS QC SS
Volts D. C.	1/2 %	S. S. # 11	4-21-82		
Digital Multi-meter	0.1% of input	070814	4-05-82		
Hz Meter	.1 hertz	632 607 changed 1-26-82	- 3-4-82 2-11-82		TRS QC SS-1
K. W. Meter	1/2 %	416	3-08-82		
A.C ampimeter	1/2 %	235	4-18-82		TRS QC SS-1
C.T.		80-C-97	5-13-82		QC SS-12
CT		80-C-98	5-13-82		QC SS-15 TRS
C.T.		78-C-56	5-13-82		QC SS-19
P.T.		71D3821	4-19-82		QC SS-19
P.T.		3709503	4-19-82		TRS QC SS-19
Freq meter	.2 Hz	618	4-21-82		
A.C volts	1/4 %	2	6-11-82	used for during	2 load bank 100% load runs.
A.C amps	3/4 %	.242	2-11-82		

FORM QC203

changed 1-26-82 to 236 6-11-82

CALIBRATION VERIFICATION

WORK ORDER: 75744

QUALITY CONTROL: S.R.B.

TEST: 300 start test

TEST TECHNICIAN: Santo Botello

INSTRUMENT	ACCURACY LEVEL	SERIAL NUMBER	CALIBRATION DUE DATE	UTILIZED THIS TEST	QC INITIAL & STAMP
Multi - Amp	1% of F. S	SGS S/N-110 20838	2-06-82		
Chart Recorder	Varies with Applicability	075507	3-04-82	✓	QC SS-19
D. C. amplifier	Varies with Applicability	071822	3-04-82	✓	QC SS-19
Freq. Dev. Counter	Varies with Applicability	075531	5-30-82	✓	QC SS-19
RMS Level	Varies with Applicability	075889	3-08-82	✓	QC SS-19
D. C. Amplifier	Varies with APPLICABILITY	071823	4-15-82	✓	QC SS-19
D. C. Amplifier	Varies with Applicability	073338	4-15-82	✓	QC SS-19
RMS Level	Varies with Applicability	New/ 014224 072205	changed 2-24-82 2-20-82 7-16-82	✓	QC SS-19
Volts A. C.	3/4 %	S. S. #15	5-16-82	✓	QC SS-19
A. C. Ampimeter	1/2 %	S. S. #245	1-13-82	✓	QC SS-19
Volts D. C.	1/2 %	S. S. # 113	4-21-82		
Digital Multi-meter	0.1% of input	070314	4-05-82		
Hz Meter	.1 hertz	607	2-11-82	✓	QC SS-19
K. W. Meter	1/2 %	416	3-08-82	✓	QC SS-19
ENG "1					
oil "in" temp.		161	5-17-82	✓	QC SS-19
oil "out" temp.		168	5-17-82	✓	QC SS-19
water "out" temp		167	5-17-82	✓	QC SS-19
water "in" temp		162	5-17-82	✓	QC SS-19
oil "in" Temp	ENG "2	165	5-17-82	✓	QC SS-19
oil "out" temp		164	5-17-82	✓	QC SS-19
water "out" temp		166	5-17-82	✓	QC SS-19
water "in" temp		163	5-17-82	✓	QC SS-19

FORM QC203

CALIBRATION VERIFICATION

WORK ORDER: 75744

QUALITY CONTROL: TRB

TEST: Daily cal. ck. 300 start test.

TEST TECHNICIAN: [illegible] 11/9/82

INSTRUMENT	ACCURACY LEVEL	SERIAL NUMBER	CALIBRATION DUE DATE	UTILIZED THIS TEST	QC INITIAL & STAMP
Multi - Amp	1% of F. S	SGS S/N-110 20838	2-06-82		
Chart Recorder	Varies with Applicability	075507	3-04-82	✓	TRB
D. C. amplifier	Varies with Applicability	071822	3-04-82	✓	TRB
Freq. Dev. Counter	Varies with Applicability	075531	5-30-82	✓	TRB
RMS Level	Varies with Applicability	075889	3-08-82	✓	TRB
D. C. Amplifier	Varies with APPLICABILITY	071823	4-15-82	✓	TRB
D. C. Amplifier	Varies with Applicability	073338	4-15-82	✓	TRB
RMS Level	Varies with Applicability	New D14224 072205	Change 2-24-82 2-20-82 TRB	✓	TRB
Volts A. C.	3/4 %	S. S. #15	5-16-82		
A. C. Ampimeter	1/2 %	S. S. #245	1-17-82		
Volts D. C.	1/2 %	S. S. # 113	4-21-82		
Digital Multi-meter	0.1% of input	070814	4-05-82		
Hz Meter	.1 hertz	607	2-11-82	✓	TRB
K. W. Meter	1/2 %	416	3-08-82		
1/4/82 TRB					
2/25/82 TRB					
2/26/82 TRB					
2/27/82 TRB					
2/28/82 TRB					
3/1/82 TRB					

FORM QC203

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 12-29-81
TESTED BY Don Williams
Osborn
CALC. BY
CHECKED BY Judy Lemons
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. DW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. DW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. DW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. DW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. DW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. DW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. DW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. DW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 12-29-81
TESTED BY Hunter B. Williams
Oskar Estrada
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ	START TIME: FROM RATED VOLT & FREQ TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ		%				HZ.			PSI			°F	
1	9.8	14.4	1935	4160	1.34	1.0	60	10:07	10:15	186	100	90	60	TRB
2	9.7	15.9	1935	4160	1.34	1.0	60	10:23	10:32	182	96	86	60	TRB
3	9.7	11.8	1935	4160	1.34	1.0	60	11:21	11:34	181	96	86	64	TRB
4	9.8	13.4	1935	4160	1.34	1.0	60	12:01	12:19	181	94	86	66	TRB
5	9.8	12.1	1935	4160	1.34	1.0	60	13:31	13:01	181	92	86	66	TRB
6	9.8	12.2	1935	4160	1.34	1.0	60	13:39	13:49	181	92	86	68	TRB
7	9.8	12.2	1935	4160	1.34	1.0	60	14:22	14:36	181	93	86	68	TRB
8	9.8	12.1	1935	4160	1.34	1.0	60	15:13	15:23	181	93	86	68	TRB
9	9.8	12.1	1935	4160	1.34	1.0	60	15:55	16:09	181	92	86	66	TRB
10	9.8	11.9	1935	4160	1.34	1.0	60	16:16	16:25	181	88	86	65	TRB
11	9.7	11.5	1935	4160	1.34	1.0	60	17:02	17:12	181	93	86	64	TRB
12	9.6	11.8	1935	4160	1.34	1.0	60	17:40	17:57	181	92	86	63	TRB
13	9.65	11.85	1935	4160	1.34	1.0	60	18:32	18:42	181	93	86	62	TRB
14	9.6	12.6	1935	4160	1.34	1.0	60	7:11	7:21	181	107	90	51	TRB
15	9.6	11.0	1936	4160	1.34	1.0	60	7:46	7:56	180	95	86	52	TRB
16	9.7	11.3	1935	4160	1.34	1.0	60	8:25	8:35	181	94	86	52	TRB
17	9.65	11.4	1935	4160	1.34	1.0	60	9:05	9:15	181	92	86	54	TRB
18	9.6	11.9	1935	4160	1.34	1.0	60	9:45	9:56	181	94	86	54	TRB
19	9.65	11.45	1936	4160	1.34	1.0	60	10:25	10:35	180	93	86	56	TRB
20	11.3	13.4	1935	4160	1.34	1.0	60	10:40	10:51	181	88	85	55	TRB
21	9.4	11.1	1935	4160	1.34	1.0	60	11:25	11:35	181	93	86	54	TRB
22	9.8 10.05	10.05	1935	4160	1.34	1.0	60	13:26	13:36	181	93.5	85	53	TRB
23	9.6	11.6	1935	4160	1.34	1.0	60	11:20					62	

SHEET | OF

QC SS-19 12-29

QC SS-19 12-30

QC SS-19 12-31

Page 10

FTR-75744-1

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

JOB NO. 75744
METHOD NO.
DATE 12-29-81
TESTED BY Curtis R. Williams
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
1	148	143	149	170	163	170	183	150	12-29-81
2	148	158	148	154	168	180	146	172	
3	148	158	148	154	168	179	146	173	
4	148	159	149	154	170	182	148	174	
5	148	159	149	154	169	182	147	174	
6	148	158	149	154	172	187	148	175	
7	148	158	149	155	172	186	148	175	
8	148	158	148	154	170	184	148	175	
9	148	158	149	155	170	184	148	175	
10	148	159	148	154	173	192	150	179	
11	148	158	147	154	172	187	147	174	
12	148	158	148	154	172	186	148	175	
13	148	158	148	154	171	185	148	175	
14	148	158	148	153	157	165	140	162	12-30-81
15	148	158	148	154	170	181	147	173	
16	148	158	148	154	170	184	146	174	
17	148	158	148	154	170	182	148	175	
18	148	158	148	154	170	182	147	175	NON VALID P.L.
19	148	158	148	154	170	184	148	175	
20	148	158	148	154	176	193	144	172	This is a valid start air pressure was too low [illegible]
21	148	158	148	154	170	185	147	173	[illegible] air pressure [illegible]
22	148	158	148	154	170	184	147	174	[illegible]
									[illegible] MASTER [illegible] ENGAGED [illegible]
									[illegible] NO VALID START

SHEET 1 OF [illegible]

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: Engine #1 (12cyl)

DATE: 1-12-82

#1 STARTER S/N: 0991 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0995

#2 STARTER S/N: 0992 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0994

#3 STARTER S/N: 0996 START MADE ON THIS UNIT: 30

PARTS REPLACED: 0993

#4 STARTER S/N: START MADE ON THIS UNIT:

PARTS REPLACED:

.....

ADDITIONAL COMMENTS: #2 starter was used for for starts #1 thru 22. Mode 8 test starts.

TECHNICIANS SIGNATURE: Bob Williams DATE: 1-13-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: Engine # 2 (16 cyl)

DATE: 1-12-82

#1 STARTER S/N: ~~0995~~ 1004 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 1002

#2 STARTER S/N: ~~0994~~ 1003 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 1000

#3 STARTER S/N: ~~0993~~ 0999 START MADE ON THIS UNIT: 30

PARTS REPLACED: 0997

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: #3 old starter was used for start 1 thru 22. Made 8 total starts

TECHNICIANS SIGNATURE: Terri Williams DATE: 1-13-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 12-30-81
TESTED BY Larry B. Williams
John Tatusko
CALC. BY
CHECKED BY Judy Somers
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 1-14-82
TESTED BY Curtis R Williams
CALC. BY
CHECKED BY
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. [initials]
2. TURN ON D.C. POWER . . . . . TECH. INIT. [initials]
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. [initials]
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. [initials]
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. [initials]
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. [initials]
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. [initials]
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. [initials]

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 1-14-82
TESTED BY Lester R Williams
CALC. BY
CHECKED BY Judy Whitehead
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ	START TIME: FROM RATED VOLT & FREQ TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
			KW			%	HZ.			PSI			°F	
23								10:36		179			44	
23	9.4	11.2	1935	4160	1.34	1.0	60	10:38	10:38	180.	94	84	41	
24	~~9.4~~	~~11.7~~	~~1935~~	~~4160~~	~~1.34~~	~~1.0~~	~~60~~	~~11:14~~		178			42	
24	9.4	11.7	1935	4160	1.34	1.0	60	11:14	11:25	180	87	87	44	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-14-82
TESTED BY Portia R Williams
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
23		125	~~170~~	130		135		135	
23	149	158	164	170	169	180	160	182	
24		115		115		135		135	
24	149	160	148	154	170	182	148	175	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-14-80
TESTED BY Santos R Williams
CALC. BY
CHECKED BY Judy Hartfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AIR	WITNESSED BY
			KW	V-Ø	AMPS	%	HZ.			PSI			OF	
23								12:44		179			52	TRB
23	9.5	11.5	1935	4160	1.34	1.0	60	12:47	12:48	171	93	87	52	SS TRB
24										174			52	SS
24	9.5	11.2	1935	4160	1.34	1.0	60	13:30	13:42	178	93	82	54	TRB QC SS-19
25										178			57	TRB
25	9.6	11.8	3869	4160	2.68	1.0	60	14:24	15:24	180	95	65	59	TRB
26								16					54	QC SS-19 TRB
26								16:41						TRB
26										176			51	
26										177				
26	9.8									177			47	TRB QC SS-19
26	9.6	12.2	1935	4160	1.34	1.0	60	2:30	2:01	179	95	87	49	TRB
27										177			52	TRB
27	9.75	11.75	1935	4160	1.34	1.0	60	9:35	9:46	179	91	87	53	TRB QC SS-19
28	9.45	11.75	1935	4160	1.34	1.0	60	10:23	10:33	175	93	87	58	TRB
29										176			59	TRB
29	9.7	11.9	1935	4160	1.34	1.0	60	11:08	11:12	179	92	87	59	TRB
30										176			60	SAF QC SS-19
30	11.0	14.8	1935	4160	1.34	1.0	60	11:24	11:34	179	87	86	62	TRB

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ETR-75744-1

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-[illegible]-82
TESTED BY Santis R Williams
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
23		120		125		133		135	
23	149	159	149	154	149	181	149	176	
24		125		130		134		136	
24	152	162	172	179	179	186	188	188	
25		130		115		135		119	
25	150	166	190	196	194	214	189	2[illegible]7	Bearing problems with cooling tower Nozzles
26	130	115	135			125		131	
26	130		126			128	126	133	Three attempts on start 26. 1. Forgot to turn start on. 2. Main fuel pump turned off. 3. Voltage regulator turned off.
26	133		115			133		116	
26	130		133			132		132	
26	149	159	144	181	170	184	148	[illegible]183	
27	124		133			128		135	
27	149	158	150	154	170	185	149	176	
28	130		131			131		132	
28	149	159	149	154	170	184	149	176	
29	130		128	18		131		136	
29	149	159	149	154	170	184	149	176	
30		150	147			181		135	
30	149	159	150	156	179	194	150	179	1-15-82

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-19-82
TESTED BY Curtis R Williams

CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. [initials]
2. TURN ON D.C. POWER . . . . . TECH. INIT. [initials]
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. [initials]
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. [initials]
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. [initials]
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. [initials]
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. [initials]
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. [initials]

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 7-12-82
TESTED BY Lester Williams
Oscar Estevez
CALC. BY
CHECKED BY Judy Wakefield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
										176			67	TRB
30														
30	9.5	10.7	1935	4160	1.34	1.0	60	14:59	15:11	180	93	85	67	TRB
31										176			64	TRB
31	9.4	11.4	1935	4160	1.34	1.0	60	15:53	16:04	179	93	87	64	TRB
32										176			62	TRB
32	9.3	11.2	1935	4160	1.34	1.0	60	16:41	16:54	179	89	87	62	TRB
33										176			57	GMB
33	9.25	11.6	1935	4160	1.34	1.0	60	17:35	16:45	179	93	87	56	TRB
34										177			45	TRB
34	9.25	10.65	1935	4160	1.34	1.0	60	13:30	13:40	180	96	87	44	TRB
35										177			43	TRB
35	9.2	11.0	1935	4160	1.34	1.0	60	14:16	14:26	180	99	87	46	TRB
36										176			47	TRB
36	9.35	9.95	1935	4160	1.34	1.0	60	15:02	15:12	180	94	87	45	TRB
37										176			45	TRB
37	9.2	11.0	1935	4160	1.34	1.0	60	15:49	15:57	180	94	87	46	TRB
38										176			45	TRB
38	9.2	11.5	1935	4160	1.34	1.0	60	16:29	16:40	180	93	87	45	TRB
39										176			46	TRB
39	9.2	11.2	1935	4160	1.34	1.0	60	17:16	17:27	180	93	87	45	TRB
40	~~10.95~~		~~1935~~	~~4160~~	~~1.34~~	~~1.0~~	~~60~~			176			44	
40	10.95	13.95	1935	4160	1.34	1.0	60	17:32		180	88	86	44	
1-	10.82	Increased the load												
Start	to and	failure #40. The												
on #40	was	not determinable												

Test aborted at 27 minutes into failure number 40. Failure

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1-7-83

QC SS-19

QC SS-19

QC SS-19

QC SS-19

QC SS-19

Leak Stump

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-10-82
TESTED BY Charles Williams
Debra Krause
CALC. BY
CHECKED BY Judy Garfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
30	140		151			189		180	
30	149	159	159	164	178	185	157	184	
31	132		134		[illegible]	133		131	STARTED OVER AT THIS POINT
31	148	158	150	155	172	185	150	176	
32	132	152	132			135		131	
33	152	159	150	155	173	180	149	177	
33	130	150	130	[illegible]		135		130	
33	150	159	150	154	170	186	148	175	
34	117	127	127			135		131	
34	149	159	149	154	166	180	147	171	
35	126		131			134		135	
35	149	159	149	154	169	182	148	175	
36	127		131			134		134	
36	149	158	149	154	169	183	147	174	
37	120		132			132		134	
37	149	158	149	154	169	183	147	174	
38	121		132			133		135	
38	150	158	149	154	172	186	147	176	
39	120		130			135		132	
39	149	159	150	154	170	182	149	174	
40	149		148			178		156	
40	149	150	150	154	179	190	150	177	Set Start failure timer not enough
									to detect on this run
									Failure caused by insufficient air volume
									Call Stewart &

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W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 12 Cyl.

DATE: 1-20-82

#1 STARTER S/N: 0997 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0999

#2 STARTER S/N: 0994 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 1004

#3 STARTER S/N: 0998 START MADE ON THIS UNIT: 30

PARTS REPLACED: 0996

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Curtis L Wilson DATE: 1-20-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 16 Cycl.

DATE: 1-20-82

#1 STARTER S/N: 0995 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0991

#2 STARTER S/N: 0994 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0992

#3 STARTER S/N: 0993 START MADE ON THIS UNIT: 30

PARTS REPLACED: 0990

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Curtis R Wilson DATE: 1-20-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO 75744
METHOD NO.
DATE 2-20-82
TESTED BY Tom Kallsen
Robert Samaras
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. TW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. TW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. TW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. TW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. TW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. TW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. TW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. TW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 1-31-82
TESTED BY Lester Williams
Osbon Bohnacker
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-20-82 & 1-21-82
TESTED BY Eddie Williams
Oscar Velasco
CALC. BY
CHECKED BY Judy Warfield
GOVT. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ	START TIME: FROM RATED VOLT & FREQ TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
			KW	V - Ø	X : Ø	%	HZ.			PSI			°F	
10	9.45	11.15	1935	4160	1.34	1.0	60	14:15	14:25	181	87	86	78	SRB QC SS-19
10	9.45	11.16	1935	4160	1.34	1.0	60	14:15	14:25	181	87	86	78	SRB QC SS-19
11										181			77	SRB QC
11	9.4	11.8	1935	4160	1.34	1.0	60	15:07	15:17	181	90	86	77	SRB SS-19
12								15:50		181			77	SRB QC
12	9.4	11.3	1935	4160	1.34	1.0	60	15:52	16:02	181	91	86	77	SRB SS-19
13										181			77	TRB QC
13	9.73	11.45	1935	4160	1.34	1.0	60	16:30	16:50	181	93	86	77	TRB SS-19
14										181			86	SRB QC
14	9.4	11.0	1935	4160	1.34	1.0	60	17:30	17:40	181	90	87	86	SRB SS-19
15										178			70	TRB QC
15	8.45	11.15	1935	4160	1.34	1.0	60	7:26	7:36	181	104	89	70	TRB SS-19
16			1935	4160	1.34	1.0	60	7:56		177			70	TRB QC
16	9.35	10.85	1935	4160	1.34	1.0	60	8:06	8:16	181	94	87	70	TRB SS-19
17										176			71	TRB QC
17	9.35	11.15	1935	4160	1.34	1.0	60	8:52	9:02	181	93	87	71	SS-19
														SHEET OF

1-21-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-20-72 & 1-21-72
TESTED BY Gaston P. Williams
Osha Tatnall
CALC. BY
CHECKED BY Judy Whitsett
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT.	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
10	150		149		[illegible]	185		175	
10	152	164	150	155	174	194	152	179	
11	130		135			135		132	
11	152	163	150	155	175	189	150	178	
12	130		135			135		135	
12	152	164	150	154	174	189	150	178	
13	130		135			135		132	
13	152	164	150	155	174	188	150	178	
14	130		135			135		133	
14	152	160	150	154	174	189	149	177	
15	116		115			117		116	
15	150	158	149	154	160	168	144	167	
16	132		135			135		132	
16	150	160	150	154	170	181	149	174	
17	126		135			134		132	
17	150	164	150	155	170	184	150	176	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-21-82
TESTED BY Santos Rebollosa
Oscar Salazar
CALC. BY
CHECKED BY Jerry Warfield
GOV'T. INSP.

START NO.	START TIME FROM START TO RATED VOLT & FREQ	START TIME FROM RATED VOLT & FREQ TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI ENG. 1	OIL PRESSURE PSI ENG. 2	AVG AMB °F	WITNESSED BY
17										181			73	SRB QC SS-19
18	9.35	10.95	1953	4160	1.34	1.0	60	9:35	8:46	181	91	88	73	SRB
19	~~9.35~~	~~10.5~~	~~1935~~	~~4160~~	~~1.34~~	~~1.0~~	~~60~~	10:51		182			74	SRB
19	9.35	10.7	1935	4160	1.34	1.0	60	10:21	10:31	181	92	86	74	SRB QC SS-19
20								[illegible]		181			74	SRB
20	9.3	11.3	1935	4160	1.34	1.0	60	10:16	10:26	181	86	86	76	SRB QC SS-19
21										181			76	SRB
21	9.35	10.95	1935	4160	1.34	1.0	60	11:31	11:39	181	90	86	76	SRB QC SS-19
22										181			76	SRB
22	9.3	10.5	1935	4160	1.34	1.0	60	12:26	12:32	181	91	87	77	SRB QC SS-19
23										181			80	SRB
23	9.3	10.5	1935	4160	1.34	1.0	60	13:22	13:32	181	93	87	80	SRB QC SS-19
24										181			79	TRM
24	9.3	11.1	1935	4160	1.34	1.0	60	14:41	14:51	181	92	87	79	TRM QC SS-19
25										181			77	TRM
25	9.35	10.65	3869	4160	2.68	1.0	60	15:46	16:46	181	73	79	77	TRM QC SS-19
26			1935							181			74	TRM QC SS-19
26	9.75	12.05	~~3869~~	4160	2.68	1.0	60	17:52	17:48	181	90	86	74	TRM SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-24-92
TESTED BY Carter Williams
Osbon Schaefer
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
18	128		135			135		134	
18	151	164	150	155	174	189	150	178	
19	127		135			135		133	
19	151	163	150	155	173	188	150	178	
20	150		150			184		170	HOT START
20	152	164	151	155	160	196	152	180	
21	130		135			135		134	
21	151	164	145 - 150	187 - 155	175	189	150	178	
22	126		134			135		131	
22	151	164	150	155	173	188	150	178	
23	135		135			135		135	
23	151	163	150	155	172	186	150	178	
24	121		132			134		128	
24	150	164	150	155	172	185	150	176	
25	125		135			132		131	
25	153	169	155	166	197	200	163	197	~~Hot~~ One hour load run.
26	126		135			123		128	
26	149	160	150	157	175	190	150	178	

SHEET OF

QUALITY CONTROL REPORT

DATE 01-22-82

SUBJECT 200 START TEST

PROJECT Review test Results

JOB NO. 25744

VENDOR

LOCATION TEST LINE

CONTACT Rich Stevens

DRAWING NO

REV.

CONTROL NO.

DEFICIENCY SHEET NO.

NONCONFORMANCE REPORT NO.

INSPECTION STATUS TAGS ATTACHED

IN PROCESS

REJECT TAG NO.

PRE-TEST ELECTRICAL

OTHER IEEE 387-1977

S & S Q.C. PROCEDURE

REV.

REV.

INDICATE WICH DIMENSIONS WERE CHECKED, IF ANY

REVIEWED STARTS 10 THROUGH 26.

1. ALL WATER & LUBE O.L TEMP ARE WITHIN THE PARAMETERS SPECIFIED BY TEST PROCEDURES AND IEEE-387 & Reg GUIDE 1.9 REV 2

2. START TIMES ARE EXCELLENT - LOW 8.95 HIGH 9.75.

3. TO DATE 26 VALID STARTS 1 UNDERMINED FAILURE.

ES

AT

SIGNATURE Rich Stevens

TITLE QA Supervisor

PAGE 1 OF 1

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-22-82
TESTED BY Lester A Williams

CALC. BY
CHECKED BY
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 1-21-82-1-22-82
TESTED BY Charles Bullion
CALC. BY
CHECKED BY Judy Mayfield
GOV'T INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME FROM START TO RATED VOLT & FREQ.	START TIME FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI ENG. 1	OIL PRESSURE PSI ENG. 2	AVG AMP OF	WITNESSED BY
27										181			72	TRB
27	9.5	11.0	1935	4160	1.34	1.0	60	18:30	12:40	181	92	87	72	TRB SS
28	9.7	10.5	1935	4160	1.34	1.0	60	9:45		181				TRB QC SS-19
28	9.1	10.6	1935	4160	1.34	1.0	60	9:15	9:25	181	94	86	73	TRB
29										181			73	TRB
29	9.7	10.7	1935	4160	1.34	1.0	60	10:01	10:12	181	94	87	74	TRB QC SS-19
30										181			74	TRB
30	9.5	10.8	1935	4160	1.34	1.0	60	10:17	10:27	181	86	85	74	TRB QC SS-19
31										181			75	TRB
31	9.5	10.6	1935	4160	1.34	1.0	60	11:04	11:14	181	91	86	76	TRB QC SS-19
32										181			75	TRB
32	9.5	10.5	1935	4160	1.34	1.0	60	11:57	12:07	181	93	87	76	TRB QC SS-19
33										181			76	TRB
33	9.5	11.0	1935	4160	1.34	1.0	60	12:46	12:56	181	92	87	76	TRB QC SS-19
34										181			76	TRB
34	9.45	11.25	1935	4160	1.34	1.0	60	13:36	13:48	181	91	86	77	TRB QC SS-19
35										181			74	TRB
35	9.5	10.7	1935	4160	1.34	1.0	60	14:30	14:40	181	94	86	75	SHEET QC SS-19

1-22-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-21-83 1-22-83
TESTED BY Curtis R Williams
CALC. BY
CHECKED BY Judy Morgan
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
27	117		135			123		128	
27	150	160	150	156	173	186	150	177	
28	116		120		114	117		118	
28	185	192	148	162	172	180	150	180	Water pumps were not turned on caused horse power failure. Water a little high on temps.
29	130		134			133		130	
29	149	162	150	154	170	183	149	176	
30	150		149			181		169	
30	150	162	150	155	179	194	150	180	
31	115		135			128		130	
31	150	163	150	155	173	186	150	177	
32	116		134			118		130	
32	150	162	150	155	170	183	150	178	
33	120		135			125		130	
33	150	162	150	155	171	186	150	179	
34	126		135			135		130	
34	150	163	151	155	173	187	150	179	
35	115		135			115		130	
35	150	161	151	155	170	185	150	178	

SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-21-81 & 1-22-82
TESTED BY Sandra K Williams
Asha Patwardhan
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
36										181			74	TKD
36	9.6	11.0	1935	4160	1.34	1.0	60	15:40	15:50	181	94	87	74	TKD QC SS-19
37										181			76	TKD QC
37	9.6	11.6	1935	4160	1.34	1.0	60	15:20	15:40	181	92	86	76	TKD SS-
38										181			74	TKD QC
38	9.5	11.3	1935	4160	1.34	1.0	60	17:52	18:13	181	92	87		TKD SS-19
39										181			74	TKD QC
39	9.6	10.7	1935	4160	1.34	1.0	60	18:10	18:31	181	92	86	74	SS-19
40										181			74	TKD
40	9.6	11.8	1935	4160	1.34	1.0	60	18:35	18:50	181	86	85	74	TKD QC SS-19
41										181			64	JKW
41	8.9	11.1	1935	4160	1.34	1.0	60	8:39	8:40	181	182	88	64	TKD QC SS-19
42										181			64	JKW
42	9.25	10.5	1935	4160	1.34	1.0	60	9:36	9:38	181	94	80	64	JKW QC SS-19
43										181			64	JKW
43	9.3	10.7	1935	4160	1.34	10	60	10:39	10:49	181	94	80	64	JKW QC SS-19
44										180			64	TKD
44	9.35	11.05	1935	4160	1.34	1.0	60	11:51	12:01	181	94	83	64	SHEET 1 OF QC SS-19

1-22-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3669 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-21-82 & 1-22-82
TESTED BY Freddie Williams
Calvin Stewart
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
36	146		130	~~155~~		115		132	
36	150	162	150	155	170	182	150	178	
37	134		134			135		128	
37	150	164	150	155	170	186	150	178	
38	131		135	155 ~~160~~		127		129	
38	150	162	151		172	187	151	174	
39	130		135			125		131	
39	150	162	151	156	172	184	151	174	
40	150		150			185		170	
40	151	163	151	156	180	195	152	180	
41	118		116			118		115	1-22-82
41	150	161	156	163	161	171	150	172	
42	120		135			120		123	
42	152	162	176	179	170	181	170	189	
43	115		135			116		125	
43	150	162	174	180	169	181	169	189	
44	120		135			130		122	
44	150	163	161	165	170	183	160	184	

SHEET OF

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 12 Cyl.

DATE: 1-21-82

#1 STARTER S/N: 0991 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0990

#2 STARTER S/N: 0992 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 0989

#3 STARTER S/N: 0996 START MADE ON THIS UNIT: 30

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Curtis R Williams DATE: 1-21-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 16 Cyl.

DATE: 1-21-82

#1 STARTER S/N: 0999 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 1001

#2 STARTER S/N: 1004 STARTS MADE ON THIS UNIT: 30

PARTS REPLACED: 1005

#3 STARTER S/N: 1003 START MADE ON THIS UNIT: 30

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Frantis R Wilson DATE: 1-21-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-23-83
TESTED BY Loretta Williams
Susan Arduser
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

JOB NO. 75744
METHOD NO.
DATE 6-27-81 & 7-24-81
TESTED BY Sandy McWilliams
Dalton Tabacco
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT Ø-Ø	AMP X+0	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
45										181			64	TRD OC SS-19
45	9.4	10.5	1935	4160	1.34	1.0	60	12:55	13:05	181	92	83	66	TRD
46										181			64	TRD
46	9.35	11.25	1935	4160	1.34	1.0	60	14:02	14:12	181	92	84	66	TRD OC SS-19
47										181			66	TRD
47	9.3	10.9	1935	4160	1.34	1.0	60	14:42	14:52	181	92	87	66	TRD OC SS-19
48										181			66	TRD
48	9.3	10.9	1935	4160	1.34	1.0	60	15:25	15:36	181	93	84	66	TRD OC SS-19
49										181			66	TRD
49	9.65	11.05	1935	4160	1.34	1.0	60	16:30	16:40	181	93	84	65	TRD OC SS-19
50										181			64	TRD
50	9.4	10.6	3869	4160	2.68	1.0	60	16:45						OC SS-19
50										184				
50										181			55	TRD
50	9.8	12	3869	4160	2.68	1.0	60	9:21					56	TRD OC SS-19
50										182			53	TRD
50	9.8	10.8	3869	4160	2.68	1.0	60	9:29	9:39	181	99	78	56	TRD
51										181			52	TRD
51	9.1	10.7	1935	4160	1.34	1.0	60	10:50	11:00	181	87	84	52	TRD SHEET

SOLD TO ILLINOIS POWER CO,
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-23-24-26-82
TESTED BY Gaylon Rickhorn
Aaron Tetuaca
CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
45	120		135			129		135	
45	150	162	163	168	172	182	160	185	
46	119		132			128		120	
46	148	160	148	162	170	184	148	175	
47	133		131			129		135	
47	149	159	150	150	170	185	150	178	
48	120		132			130		132	
48	149	160	160	164	170	184	160	182	
49	119		135			125		130	
49	149	160	160	165	170	185	159	180	
50	150		154			180		170	Bad raw water valve 3 way close on Unit shut down on high temp. 1-23-82
50									
50	141		173			180		188	Unit shut down cause of not enough water flow from radiator tower. Water strainer clogged 1-24-8
50	148		147			180		170	
50	163	175	160	169	200	220	165	195	
51	131		127			132		125	1-26-8
51	157	168	158	163	177	192	157	182	1-26-82
									SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3969 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-24-82
TESTED BY Curtis Williams
Olson Johnson
CALC. BY
CHECKED BY
GOV'T. INSP

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. CW
2. TURN ON D.C. POWER . . . . . TECH. INIT. CW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. CW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. CW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. CW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. CW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. CW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. CW.

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-26-84
TESTED BY [illegible]
CALC. BY
CHECKED BY [illegible]
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. [illegible]
2. TURN ON D.C. POWER . . . . . TECH. INIT. [illegible]
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. [illegible]
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. [illegible]
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. [illegible]
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. [illegible]
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. [illegible]
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. [illegible]

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-26-82
TESTED BY Curtis Blubaugh / Arbor Petraca
CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
			KW	Ø-Ø		%	HZ.			PSI			°F	
52										181			60	TAD
52	9.35	10.65	1935	4160	1.34	1.0	60	11:36	11:46	181	92	87	60	TAD
53										181			60	TAD
53	9.3	10.2	1935	4160	1.34	1.0	60	12:15	12:25	182	92	87	62	TAD
54										181			65	SLT
54	9.3	10.4	1935	4160	1.34	1.0	60	13:56	13:66	182	93	87	64	SLT
55										181			65	SLT
55	9.35	10.35	1935	4160	1.34	1.0	60	15:40	15:50	181	95	87	65	SLT
56										181			66	SLT
56	9.3	10.5	1935	4160	1.34	1.0	60	14:[illegible]	14:[illegible]	181	93	87	66	SLT
57										181			66	TAD
57	9.25	13.25	1935	4160	1.34	1.0	60	15:04	15:14	181	95	87	66	TAD
58										181			66	TAD
58	9.3	11.1	1935	4160	1.34	1.0	60	15:44	15:54	181	92	87	66	TAD
59										181			65	TAD
59	9.3	11.1	1935	4160	1.34	1.0	60	16:31	16:41	181	92	87	64	TAD
60										181			64	TAD
60	9.3	11.5	1935	4160	1.34	1.0	60	16:47	16:57	181	87	87	64	TAD SHEET

CC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-26-82
TESTED BY Sandra Williams
Debra Salcedo
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
52	120		135			120		135	
52	149	159	149	154	171	186	149	176	
53	131		131			134		135	
53	149	159	149	154	170	185	150	176	
54	130		132			130		136	
54	149	157	149	154	170	183	150	176	
55	119		135			130		135	
55	148	159	149	154	170	182	149	176	
56	116		132			131		134	
56	149	159	149	154	170	184	150	176	
57	130		132			132		135	
57	149	159	150	154	170	181	150	176	
58	120		135			132		134	
58	149	159	149	154	171	186	150	178	
59	131		131			133		135	
59	149	159	149	154	170	185	149	176	
60	150		149			182		174	
60	149	159	149	154	176	193	150	178	

SHEET OF

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-27-82
TESTED BY Adam Tatusko
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. AT
2. TURN ON D.C. POWER . . . . . .TECH. INIT. AT
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. AT
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. AT
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. AT
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. AT
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. AT
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. AT

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-27-82
TESTED BY Loretta Williams
Coban Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG.1	OIL PRESSURE PSI: ENG.2	AVG AMB	WITNESSED BY
	VOLT & FREQ.	TO LOAD	KW	V-ϕ	X200	%	HZ.			PSI			°F	
61										181			54	TRS
61	9.05	11.65	1935	4160	1.34	1.0	60	7:50	8:00	181	105	90	55	TRS OC SS-19
62										181			60	TRS OC
62	9.3	11.1	1935	4160	1.34	1.0	60	8:24	8:34	181	95	87	60	TRS SS-19
63										181			60	TRS OC
63	9.4	10.9	1935	4160	1.34	1.0	60	9:02	9:12	181	93	87	60	TRS SS-19
64										181			63	TRS OC
64	9.35	10.85	1935	4160	1.34	1.0	60	9:41	9:51	181	93	87	62	TRS SS-19
65										181			64	TRS OC
65	9.35	11.4	1935	4160	1.34	1.0	60	10:22	10:28	181	93	88	64	TRS SS-19
66										181			66	TRS OC
66	9.35	11.25	1935	4160	1.34	1.0	60	10:54	11:04	181	93	87	67	SS-19
67										181			67	TRS
67	9.35	10.75	1935	4160	1.34	1.0	60	11:36	11:46	181	93	87	67	TRS OC SS-19
68										181			68	TRS
68	9.35	10.65	1935	4160	1.34	1.0	60	12:14	12:24	181	93	87	68	TRS OC SS-19
69										181			70	TRS
69	9.35	11.45	1935	4160	1.34	1.0	60	13:00	13:10	181	93	87		TRS OC SS-19

(CONT. SHEET)

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3369 KW, 4160 VOLT
SERVICE

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-27-82
TESTED BY Landis Rawlins & Dan Antuna
CALC. BY
CHECKED BY Judy Wright
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
61	116		115			117		115	
61	149	159	149	153	159	168	144	162	
62	115		126			122		134	
62	149	159	149	154	168	180	149	173	
63	116		129			122		134	
63	149	159	149	154	170	183	149	176	
64	130		130			122		134	
64	149	159	149	154	170	183	149	176	
65	120		130 → 148		169	121		135	
65	149	159	148	153	148 → 170	182	147	172	
66	130		129			124		135	
66	149	159	149	154	170	184	150	176	
67	115		135			120		134	
67	148	159	148	153	170	185	149	176	
68	116		130			129		133	
68	148	159	143	150	169	184	150	178	
69	115		130			119		133	
69	149	159	149	154	170	184	149	175	

SHEET OF

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: _____

DATE: 1-27-82

#1 STARTER S/N: 1005 STARTS MADE ON THIS UNIT: 28

PARTS REPLACED: 1002

#2 STARTER S/N: 0998 STARTS MADE ON THIS UNIT: 28

PARTS REPLACED: 1000

#3 STARTER S/N: 1001 START MADE ON THIS UNIT: 28

PARTS REPLACED: 1003

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Sandra B. Williams DATE: 1-27-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 12 cyl

DATE: 1-26-82

#1 STARTER S/N: 0990 STARTS MADE ON THIS UNIT: 28

PARTS REPLACED: 0991

#2 STARTER S/N: 0989 STARTS MADE ON THIS UNIT: 28

PARTS REPLACED: 0994

#3 STARTER S/N: 0988 START MADE ON THIS UNIT: 28

PARTS REPLACED: 0999

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Lonnie Bledsoe DATE: 1-27-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-27-82 1-28-82
TESTED BY Hunter R. Williams
Orion Tabaco
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. hw
2. TURN ON D.C. POWER . . . . . TECH. INIT. hw
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. hw
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. hw
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. hw
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. hw
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. hw
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. hw

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 1-27-82 1-28-82
TESTED BY Thomas R Williams
Carlos Zatarain
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ	START TIME: FROM RATED VOLT & FREQ TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ	TO LOAD	KW	Ø-Ø	≤200	%	HZ.			PSI			°F	
70										181			72	TRD
70	9.45	10.95	1935	4160	1.34	1.0	60	13:17	13:37	181	68	86	72	TRD QC SS-19
71										181			71	TRD
71	9.35	11:05	1935	4160	1.34	1.0	60	13:59	14:04	181	93	87	70	TRD QC SS-19
72										181			70	TRD
72	9.35	10.55	1935	4160	1.34	1.0	60	14:44	14:54	181	93	87	69	TRD QC SS-19
73										181			70	TRD
73	9.4	10.8	1935	4160	1.34	1.0	60	15:20	15:30	181	93	87	70	TRD QC SS-19
74										181			69	TRD
74	9.4	10.6	1935	4160	1.34	1.0	60	16:02	16:12	181	93	86	70	TRD QC SS-19
75										181			69	TRD
75	9.4	10.7	3868	4160	2.68	1.0	60	16:50	17:40	181	76	83	69	TRD QC SS-19
76										181			67	1-28-82
76	8.8	10.1	1935	4160	1.34	1.0	60	7:19	7:29	181	103	99	64	TRD QC SS-19
77										181			65	TRD
77	9.35	11.05	1935	4160	1.34	1.0	60	7:38	7:46	181	95	87	64	TRD
78										181			64	TRD
78	9.4	11.0	1935	4160	1.34	1.0	60	8:32	8:42	181	92	87	65	TRD QC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-27-82 1-28-82
TESTED BY Curtis Middleton
Osbon Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
70	144		140			182		173	
70	149	160	153	159	176	183	151	179	
71	116		134			130		134	
71	149	159	148	153	176	185	149	176	
72	119		135			116		133	
72	149	159	149	154	170	184	149	176	
73	121		133			123		135	
73	141	159	149	154	170	184	150	176	
74	116		133			120		132	
74	149	159	150	154	170	184	149	175	
75	118		132			120		135	
75	149	164	149	160	192	214	156	190	melt-in load run.
76	120		118			116		115	1-28-82
76	140	160	149	154	160	171	144	168	
77	115		125			118		130	
77	149	159	149	154	169	181	140	175	
78	122		133			123		134	
78	149	159	149	154	170	184	149	175	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-28-82
TESTED BY Hunter Rutherford
Aaron Schuaca
CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. HH
2. TURN ON D.C. POWER . . . . . .TECH. INIT. HH
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. HH
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. HH
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. HH
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. HH
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. HH
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. HH

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 12 cyl

DATE: 1-28-82

#1 STARTER S/N: 0991 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0995

#2 STARTER S/N: 0994 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0993

#3 STARTER S/N: 0999 START MADE ON THIS UNIT: 35

PARTS REPLACED: 0996

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Charles R Williams DATE: 1-28-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 16 cyl

DATE: 1-28-82

#1 STARTER S/N: 1002 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0899

#2 STARTER S/N: 1000 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: ~~0997~~ 1004

#3 STARTER S/N: 1003 START MADE ON THIS UNIT: 25

PARTS REPLACED: 0997

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Curtis Bullock DATE: 1-28-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-28-83
TESTED BY Lonnie R. Williams
Aston Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-25-82
TESTED BY Martin B. Williams
Aaron Estevez
CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ.		KW	E-E	X100	%	HZ.			PSI			°F	
78										181			67	
79	9.35	10.75	1935	4160	1.34	1.0	60	9:18	9:28	181	93	87	67	
80										181			67	
80	9.4	10.8	1935	4160	1.34	1.0	60	9:34	9:44	181	87	86	68	
81										181			68	
81	9.35	10.55	1935	4160	1.34	1.0	60	10:21	10:31	181	91	87	69	
82										181			70	
82	9.35	10:65	1935	4160	1.34	1.0	60	11:09	11:19	181	92	87	70	
83										181			70	
83	9.35	10.8	1935	4160	1.34	1.0	60	11:48	11:58	181	91	87	70	
84										181			69	
84	9.35	10.95	1935	4160	1.34	1.0	60	12:23	12:33	181	92	87	69	
85										181			69	
85	9.35	10.85	1935	4160	1.34	1.0	60	13:03	13:12	181	92	87	69	
86										181			74	
86	9.4	10.6	1935	4160	1.34	1.0	60	14:38	14:47	181	94	87	74	
87										181			74	
87	9.5	11.8	1935	4160	1.34	1.0	60	15:20	15:29	181	92	87	74	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-28-85
TESTED BY Lyntie B Williams
Oscar Estrada
CALC. BY
CHECKED BY Judy Wayne Ed
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
79	118		130			118		120	
79	149	159	149	154	170	185	150	176	
80	149		150			190		166	HOT
80	149	159	150	154	178	193	150	179	
81	115		131			117		131	
81	149	159	149	154	170	186	149	176	
82	115		134			117		139	
82	149	159	149	154	170	182	150	176	
83	133		134			122		135	
83	149	159	149	154	170	186	149	176	
84	120		135			120		135	
84	149	159	149	154	170	186	149	176	
85	120		134			120		135	
85	149	159	149	154	170	185	149	178	replaced air starter motor #85
86	116		120			125		128	
86	149	159	149	154	170	183	149	175	
87	118		133			118		133	
87	149	160	149	154	170	186	149	178	

SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-29-82
TESTED BY Fonda Williams
Osbon Lohman
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. lw
2. TURN ON D.C. POWER . . . . . TECH. INIT. lw
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. lw
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. lw
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. lw
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. lw
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. lw
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. lw

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-28-82 1-29-82
TESTED BY Lonnie R. Williams
Osbon Adams
CALC. BY
CHECKED BY Judy Wakefield
GOV'T. INSP

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ.	TO LOAD	KW	Ø-Ø	x200	%	HZ.			PSI	ENG. 1	ENG. 2	°F	
88					x300					181			72	
88	9.5	11.5	1935	4160	1.34	1.0	60	15:53	16:03	181	90	86	72	
89										181			70	TRB
89	9.5	11.2	1935	4160	1.34	1.0	60	16:41	16:51	181	92	87	71	TRB
90								16:54		181			72	TRB
90	9.5	11.2	1935	4160	1.34	1.0	60	16:57	17:07	181	87	86	71	TRB
91										181			69	TRB
91	9.4	10-8	1935	4160	1.34	1.0	60	17:46	17:56	181	92	87	69	TRB
92										181			66	1-29-82 TRB
92	9.0	10.0	1935	4160	1.34	1.0	60	7:11	7:21	181	101	89	67	TRB
93										181			68	TRB
93	9.35	10.75	1935	4160	1.34	1.0	60	7:51	8:01	181	94	87	68	TRB
94									8:40	181			68	TRB
94	9.35	11.25	1935	4160	1.34	1.0	60	8:30	8:50	181	93	87	69	TRB
95									9:26	181			68	TRB
95	9.35	11.65	1935	4160	1.34	1.0	60	9:16	9:26	181	92	87	69	TRB
96										181			70	TRB
96	9.35	10.65	1935	4160	1.34	1.0	60	9:51	10:01	181	94	87	72	TRB

QC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-28-82 1-29-82
TESTED BY Agustin B Villarreal
Oscar Salinas
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
88	130		135			125		135	Run time was 10 minute count of
88	149	159	150	154	174	190	149	178	FM communication problems.
89	115		135			118		132	
89	149	159	149	154	170	185	150	176	
90	140		149			183		169	HOT
90	140	159	150	154	178	193	150	178	
91	116		135			115		130	
91	148	159	149	154	170	185	150	176	
92	116		116	116		117		117	1-29-82
92	149	159	149	154	160	191	146	169	
93	118		135			115		131	
93	149	159	149	154	169	182	149	176	
94	115		134			120		135	
94	149	159	149	154	170	185	149	176	
95	115		134			115		130	
95	149	159	149	154	170	184	150	176	
96	117		130			118		133	
96	149	159	149	154	170	184	150	176	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-29-82
TESTED BY Cynthia Rutledge
Carlos Estrada
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ	START TIME: FROM RATED VOLT & FREQ TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
			KW	V-ϕ	±300	%	HZ.			PSI				
97										181			73	TW, QC, C
97	9.4	10.7	1935	4160	1.34	1.0	60	10:36	10:46	181	91	87	73	TRT, SS
98										181			72	TRT
98	9.4	11.1	1935	4160	1.34	1.0	60	11:15	11:25	181	92	87	72	TRT QC SS-19
99										181			72	TRT
99	9.7	11.3	1935	4160	1.34	1.0	60	11:55	12:05	181	92	86	72	TRT QC SS-19
100										181			72	TRT
100	9.45	10.85	3869	4160	2.62	1.0	60	12:11	13:11	181	75	83	76	TRT QC SS-19
101										181			74	TRT
101	9.65	11.15	1935	4160	1.34	1.0	60	13:49	13:59	181	90	86	74	TRT QC SS-19
102										181			72	TRT
102	9.5	10.6	1935	4160	1.34	1.0	60	14:31	14:41	181	91	87	74	TRT QC SS-19
103										181			74	TRT
103	9.5	11.0	1935	4160	1.34	1.0	60	15:07	15:17	181	92	86	76	TRT QC SS-19
104										181			75	TRT
104	9.5	10.4	1935	4160	1.34	1.0	60	15:45	15:55	181	92	86	75	TRT QC SS-19
105										181			74	TRT
105	9.5	11.0	1935	4160	1.34	1.0	60	16:21	16:31	181	91	86	74	SHEET QC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-29-85
TESTED BY Ronnie Williams
Odon Salvaco
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
97	118		134			120		135	
97	149	159	150	154	170	186	150	176	
98	118		135			120		135	
98	149	160	149	154	171	185	149	176	
99	118		132			120		134	
99	149	160	150	154	170	185	150	176	
100	149		149			182		168	HOT- ONE HOUR RUN
100	149	166	150	160	193	215	159	191	
101	120		135	635		121		134	
101	149	159	149	154	174	190	150	179	
102	117		131			120		133	
102	149	159	150	154	170	185	150	177	
103	120		134			124		135	
103	149	160	149	154	171	185	150	176	
104	120		134			121		135	
104	149	160	150	154	170	185	150	177	
105	122		135			124		135	
105	149	160	150	154	170	186	150	178	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

JOB NO. 75744
METHOD NO.
DATE 1-30-82
TESTED BY Tom Williams
Oscar Salinas
CALC. BY
CHECKED BY
GOV'T. INSP.

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. tw
2. TURN ON D.C. POWER . . . . . TECH. INIT. tw
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. tw
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. tw
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. tw
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. tw
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. tw
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. tw

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 17 cyl

DATE: 1-28-82

#1 STARTER S/N: 0995 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0991

#2 STARTER S/N: 0992 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0994

#3 STARTER S/N: 0996 START MADE ON THIS UNIT: 25

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Jimmie B Williams DATE: 1-30-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 16 Cyl

DATE: 1-30-82

#1 STARTER S/N: 0899 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 1002

#2 STARTER S/N: 1004 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 1000

#3 STARTER S/N: 0997 START MADE ON THIS UNIT: 25

PARTS REPLACED: 1008

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Curtis R Williams DATE: 1-30-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

JOB NO. 75744
METHOD NO.
DATE 1-29-82 1-30-82
TESTED BY Santie R Williams
Ochoa Tatraco
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ	START TIME: FROM RATED VOLT & FREQ TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
			KW	E-F	AMP	%	HZ.			PSI			°F	
106										181			72	TRB
106	9.5	11.0	1935	4160	1.34	1.0	60	17:05	17:15	181	94	86	72	TRB
107										181			69	TRB
107	9.05	10.85	1935	4160	1.34	1.0	60	7:38	7:48	181	103	90	69	TRB
108										181			70	TRB
108	9.5	10.7	1935	4160	1.34	1.0	60	8:23	8:33	181	95	87	70	TRB
109										181			71	TRB
109	9.5	10.8	1935	4160	1.34	1.0	60	8:59	9:09	181	93	86	72	TRB
110										181			72	TRB
110	9.5	11.1	1935	4160	1.34	1.0	60	9:35	9:45	181	87	86	72	TRB
111										181			70	TRB
111	9.3	10.6	1935	4160	1.34	1.0	60	11:17	11:29	181	93	87	71	TRB
112										181			70	TRB
112	9.6	10.9	1935	4160	1.34	1.0	60	11:53	12:03	181	91	87	70	TRB
113										181			70	TRB
113	8.7	11.7	1935	4160	1.34	1.0	60	12:33	12:43	181	93	87	71	TRB
114										181			71	TRB
114	9.65	11.25	1935	4160	1.34	1.0	60	13:09	13:19	181	92	86	72	TRB

QC SS-19

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-29-82 1-30-82
TESTED BY Loretta Rutledge
Susan Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
105	116		135	~~135~~		118		135	
106	149	159	150	154	170	185	150	176	
107	117		117			115		115	1-30-81
107	149	159	149	154	160	170	145	168	
108	115		134			117		134	
108	149	159	150	154	164	180	149	174	
109	118		133			120		135	
109	149	160	150	154	170	183	150	176	
110	149		119			181		168	HOT
110	149	160	150	154	176	193	150	178	
111	116		130			131		135	
111	149	160	150	154	169	182	149	175	
112	118		134			121		135	
112	149	160	150	154	170	185	149	176	
113	118		135			120		134	
113	149	160	150	154	170	186	149	178	
114	118		133			122		135	
114	148	160	150	154	170	185	150	177	

SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 1-31-85
TESTED BY Lonnie R. Williams
Osbon Peterson
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-30-82 1-31-82
TESTED BY Tony Williams
Odell Latimer
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED
			Kw	ϕ-ϕ	x200	%	Hz.			PSI			°F	
115										181			73	TW
115	9.6	11.3	1035	4160	1.34	1.0	60	13:47	13:57	181	96	87	74	TRB
116										181			72	TRB
116	9.6	10.9	1935	4160	1.34	1.0	60	14:26	14:36	181	892	87	74	TW
117										181			72	TRB
117	9.55	11.15	1935	4160	1.34	1.0	60	15:01	15:13	181	92	86		TW
118										181			70	
118	9.6	11.6	1935	4160	1.34	1.0	60	15:46	15:50	181	93	86	68	
119										181			68	TRB
119	9.5	10.9	1935	4160	1.34	1.0	60	16:15	16:22	181	93	86	68	
120										181			69	TRB
120	9.5	11.2	1935	4160	1.34	1.0	60	16:30	16:40	181	87	86		TRB
121										182			50	1-31-82
121	8.9	10.9	1935	4160	1.34	1.0	60	7:29	7:31	181	105	90	52	TRB
122										181			52	TRB
122	9.3	11.0	1935	4160	1.34	1.0	60	8:00	8:10	181	98	87	52	TRB
123										181			53	TRB
123	9.2	10.7	1955	4160	1.34	1.0	60	8:43	8:53	183	92	87	53	SHEET 1 OF

QC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-30-82 & 1-31-82
TESTED BY Sandra Williams
Orson Estrada
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
115	118		133			120	~~150~~	135	
115	149	160	150	154	170	184	150	176	
116	118		135			120		134	
116	149	160	149	154	170	185	149	175	
117	118		133			121		135	
117	149	160	150	154	169	183	149	176	
118	115		134			121		135	
118	149	160	150	154	170	183	149	176	
119	120		134			123		135	
119	149	160	150	154	170	184	149	176	
120	149		150			182		168	HOT
120	150	~~160~~	150	154	175	183	150	174	
	~~150~~	~~160~~							
121	117		118			115		115	1-31-82
121	149	159	149	154	156	167	142	165	
122	116		125			122		133	
122	149	159	150	154	166	180	148	174	
123	115		125			120		131	
123	149	159	149	154	169	183	149	175	

SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-1-83
TESTED BY Tom Fix Bill Wilcox Osbon Delwood
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-31-82 2-1-82
TESTED BY Lonnie Williams
Osbon Petrasko
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME FROM START TO RATED VOLT & FREQ.	START TIME FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F. %	FREQ. HZ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI ENG. 1	OIL PRESSURE PSI ENG. 2	AVG AMB °F	WITNESSED BY
124										181			52	TAB QC SS-19
124	9.2	10.6	1935	4160	1.34	1.0	60	9:21	9:31	181	95	87	54	TAB
125										181			54	TAB QC SS-19
125	9.3	11.5	3269	4160	2.68	1.0	60	10:04	11:04	181	76	84	58	TAB
126										181			58	
126										181			56	TAB QC
126	9.4	11.6	1935	4160	1.34	1.0	60	13:00	13:10	181	98	89	57	TAB SS-19
127										181			57	TAB QC
127	9.3	10.7	1935	4160	1.34	1.0	60	13:14	13:24	181	93	87	57	TAB SS-19
128										181			56	TAB QC
128	9.3	10.2	1935	4160	1.34	1.0	60	13:57	14:07	181	91	87	56	TAB SS-19
129										181			57	TAB QC
129	9.3	10.7	1935	4160	1.34	1.0	60	14:30	14:40	181	93	87	57	TAB SS-19
130										181			57	TAB QC
130	9.3	11.0	1935	4160	1.34	1.0	60	14:46	14:55	181	87	86	57	TAB SS-19
131										181			58	TAB QC
131	9.3	10.7	1935	4160	1.34	1.0	60	15:30	15:30	181	92	87	58	TAB SS-19

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-31-82 2-1-82
TESTED BY Tom Fischer Bill Lowe Dean Saturen
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
124	116		130			135		134	
124	149	159	149	154	169	181	148	176	
						120			
125	115		133			130		131	
125	148	163	148	156	190	211	153	188	
126	130								External oil cool down pump motor smoked. Motor too small. Secured unit.
126									
126	133		125			130		122	2-1-82
126	149	159	149	154	165	178	147	168	
127	120		135			125		134	
127	149	159	149	159	170	185	149	175	
128	132		135			125		135	
128	149	159	149	154	170	185	149	176	
129	120		132			125		135	
129	149	159	149	154	170	185	149	174	
130	150		151			182		164	HOT
130	149	159	149	154	176	192	149	177	
131	125		130	130		130		135	
131	149	159	149	154	170	185	149	174	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 2-2-82
TESTED BY Louis E. Williams & Oskar Tatuash
CALC. BY
CHECKED BY Judy Mansfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 16 cyl.

DATE: 3-2-82

#1 STARTER S/N: 1002 STARTS MADE ON THIS UNIT: 35

PARTS REPLACED: 0999

#2 STARTER S/N: 1000 STARTS MADE ON THIS UNIT: 35

PARTS REPLACED: 1004

#3 STARTER S/N: 1008 START MADE ON THIS UNIT: 35

PARTS REPLACED: 0996

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Lonnie R Wilbanks DATE: 3-2-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmer

PROCEDURE: 15yd.

DATE: 2-2-82

#1 STARTER S/N: 0991 STARTS MADE ON THIS UNIT: 35

PARTS REPLACED: 0995

#2 STARTER S/N: 0994 STARTS MADE ON THIS UNIT: 35

PARTS REPLACED: 0992

#3 STARTER S/N: 0993 START MADE ON THIS UNIT: 35

PARTS REPLACED: 0997

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: [signature] DATE: 2-2-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-1-83 3-3-83
TESTED BY L. Harris R. Williams
Osada Tatsuka
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME FROM START TO RATED VOLT & FREQ.	START TIME FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS.	OIL PRESSURE PSI ENG. 1	OIL PRESSURE PSI ENG. 2	AVG AMB	WITNESSED BY
			KW	÷1000	×100	%	HZ.			PSI.			°F	
132										181			58	TH QC SS-19
132	9.3	10.5	1935	4160	1.34	1.0	60	16:01	16:11	181	94	87	58	TRF
133										181			57	TRF
133	9.3	10.6	1935	4160	1.34	1.0	60	16:37	16:47	181	92	87	57	QC SS-19
134										181			55	TRF
134	9.2	10.9	1935	4160	1.34	1.0	60	17:20	17:30	181	93	87	56	QC SS-19
135										181			55	TRF
135	9.3	10.8	1935	4160	1.34	1.0	60	18:02	18:12	181	93	87	55	TRF QC SS-19
136										181			56	QC SS-19
136	9.0	11.2	1935	4160	1.34	1.0	60	8:18	8:28	181	103	89	56	TRF 5-2-83
137										181			56	TRF
137	9.5	10.8	1935	4160	1.34	1.0	60	8:59	9:09	181	95	87	56	TRF QC SS-19
138										181			56	TRF
138	9.45	11.3	1935	4160	1.34	1.0	60	9:46	9:56	181	94	87	56	TRF QC SS-19
139										181			57	TRF
139	9.5	10.8	1935	4160	1.34	1.0	60	10:31	10:41	181	93	87	57	TRF QC SS-19
140										181			58	TRF
140	9.5	10.7	1935	4160	1.34	1.0	60	11:14	11:24	181	94	86	58	TRF QC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-1-82, 2-2-82
TESTED BY Loretta R Williams
Orson Johnson
CALC. BY
CHECKED BY Judy Mansfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT.	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
132	120		130			124		131	
132	144	159	149	154	169	183	149	176	
133	122		130			125		135	
133	149	159	150	152	170	186	130	175	
134	119		130			125		132	
134	120	159	150	153	170	183	149	173	
135	120		135			130		135	Changed to standby
135	130	159	150	153	170	183	149	175	
136	119		118			115		119	2-2-82
136	122	159	150	154	159	167	143	167	
137	122		125			115		135	
137	149	159	150	154	168	180	148	173	
138	130		125			115		129	
138	149	159	150	154	169	183	149	175	
139	115		132			118		130	
139	145	159	149	154	165	180	148	173	
140	155	~~155~~	139	~~160~~		175		168	HOT
140	149	159	150	154	172	188	150	178	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 5-2-87
TESTED BY Gaylon Williams
Osbon Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T INSP.

START NO.	START TIME: FROM START W/ RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ.	TO LOAD	KW	Ø-Ø		%	HZ.			PSI			°F	
141										181			59	TRB QC SS-19
141	9.5	10.8	1935	4160	1.34	1.0	60	11:34	11:49	181	90	86	58	TRB QC SS-19
142										181			59	TRB QC SS-19
142	9.5	11.4	1935	4160	1.34	1.0	60	12:13	12:33	181	92	87	59	TRB QC SS-19
143										181			60	TRB QC SS-19
143	9.45	11.2	1935	4160	1.34	1.0	60	13:32	13:02	181	92	86	60	TRB QC SS-19
144										181			59	TRB QC SS-19
144	9.5	10.9	1935	4160	1.34	1.0	60	13:23	13:33	181	90	86	59	TRB QC SS-19
145										181			62	TRB QC SS-19
145	9.5	11.1	1935	4160	1.34	1.0	60	14:04	14:14	181	92	86	62	TRB QC SS-19
146										181			60	TRB QC SS-19
146	9.5	11.2	1935	4160	1.34	1.0	60	14:39	14:50	181	91	87	60	TRB QC SS-19
147										181			62	TRB QC SS-19
147	9.5	11.1	1935	4160	1.34	1.0	60	15:19	15:29	181	92	86	64	TRB QC SS-19
148										181			63	TRB QC SS-19
148	9.5	11.1	1935	4160	1.34	1.0	60	15:50	16:00	181	92	87	63	TRB QC SS-19
149										181			60	TRB QC SS-19
149	9.5	11.3	1935	4160	1.34	1.0	60	16:35	16:45	181	92	86	60	TRB QC SS-19

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-2-82
TESTED BY Gordon Williams
Ashon Alvarez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
141	115		133		150	120		130	
141	149	160	150	154	172	186	150	176	
142	120		135			125		135	
142	149	160	150	154	170	185	149	176	
143	120		135			122		135	
143	149	159	150	154	171	185	149	176	
144	132		133			135		135	
144	149	160	150	154	172	188	150	174	
145	121		133			125		135	
146	149	160	150	154	170	185	149	177	
146	123		133			128		135	
146	149	160	150	154	171	187	149	177	
147	121		132			125		134	
147	149	160	150	154	170	185	150	176	
148	120		130			133		134	
148	149	160	150	154	170	185	150	176	
149	120		133			125		134	
149	149	160	150	154	170	185	150	176	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-3-82
TESTED BY [illegible]
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-3-82 2-3-82
TESTED BY Scott K Williams
Asbon Reitmeier
CALC. BY
CHECKED BY Judy Murphy
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
150										181			60	TRB
150	9.5	10-8	3869	4160	2.68	1.0	60	16:30	17:50	181	75	83	54	TRB QC SS-19
151										181			48	QC SS-19 TRB 2-3-82
151	9.05	11.2	1935	4160	1.34	1.0	60	7:24	7:30	181	100	88		
152										181			50	TRB QC SS-19
152	9.3	10.9	1935	4160	1.34	1.0	60	7:52	8:02	181	94	89	50	TRB
153										181			50	TRB QC SS-19
153	9.25	11.2	1935	4160	1.34	1.0	60	8:25	8:36	181	91	86	51	TRB
154										181			51	TRB QC SS-19
154	9.3	11.0	1935	4160	1.34	1.0	60	9:07	9:17	181	92	86	52	TRB
155										181			52	TRB QC SS-19
155	9.3	10.8	1935	4160	1.34	1.0	60	9:40	9:50	181	93	86	52	TRB
156										181			52	TRB QC SS-19
156	9.3	10.8	1935	4160	1.34	1.0	60	10:16	10:26	181	92	87	53	TRB
157										181			53	TRB QC SS-19
157	9.3	10.8	1935	4160	1.34	1.0	60	10:51	11:01	181	92	86	54	TRB
158										181			56	TRB QC SS-19
158	9.3	10.7	1935	4160	1.34	1.0	60	11:26	11:36	181	94	86	56	TRB

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-2-82 2-3-82
TESTED BY Calvin Johnson
Landis Williams
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
150	150		149			180		179	HOT 1 Hour Load Run
150	149	163	149	160	141	213	154	199	
151	115		117			116		118	3-3-82
151	148	159	149	154	164	175	143	169	
152	120		125			128		136	
152	149	159	142	160	169	183	141	165	
153	123		123			130		135	
153	149	159	150	154	170	186	149	166	
154	118		128			125		133	
154	149	159	150	154	170	184	149	176	
155	122		130			128		135	
155	149	159	150	154	169	183	149	175	
156	120		130			128		135	
156	149	159	150	154	170	185	149	175	
157	120		130			128		135	
157	149	159	150	154	169	184	149	175	
158	121		135			130		134	
158	149	159	150	154	169	183	149	175	

SHEET OF

FTR-75744-1

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 16 cyl.

DATE: 2-3-82

#1 STARTER S/N: 6999 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 1007

#2 STARTER S/N: 1004 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 1000

#3 STARTER S/N: 0996 START MADE ON THIS UNIT: 26

PARTS REPLACED: 1008

#4 STARTER S/N: START MADE ON THIS UNIT:

PARTS REPLACED:

.....

ADDITIONAL COMMENTS:

TECHNICIANS SIGNATURE: Gordon R. Williams DATE: 2-3-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 12cyl.

DATE: 5-3-82

#1 STARTER S/N: 0995 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0991

#2 STARTER S/N: 0994 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0990

#3 STARTER S/N: 0997 START MADE ON THIS UNIT: 26

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADF ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE Lester R. Williams DATE: 5-3-82

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-3-87
TESTED BY Cynthia R. Williams
Oscar Talavera
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
159										181			56	TRB
159	9.3	10.8	1935	4160	1.34	1.0	60	12:08	12:18	181	93	-86	56	TRB QC SS-19
160										181			56	TRB
160	9.3	11.0	1935	4160	1.34	1.0	60	12:23	12:33	181	88	86	56	TRB QC SS-19
161										181			58	TRB
161	9.4	10.7	1935	4160	1.34	1.0	60	13:29	13:39	181	94	86	58	TRB QC SS-19
162										181			60	TRB
162	9.45	10.8	1935	4160	1.34	1.0	60	14:12	14:22	181	92	86	59	TRB QC SS-19
163										181			59	TRB
163	9.4	10.9	1935	4160	1.34	1.0	60	14:44	14:54	181	91	-87	59	TRB QC SS-19
164										181			58	TRB
164	9.35	10.8	1935	4160	1.34	1.0	60	15:22	15:32	181	90	87	58	TRB QC SS-19
165										181			59	TRB
165	9.35	10.8	1935	4160	1.34	1.0	60	15:01	16:11	181	93	86	59	TRB QC SS-19
166										181			58	TRB
166	9.3	11.1	1935	4160	1.34	1.0	60	16:35	16:45	181	92	86	58	TRB QC SS-19
167										181			57	TRB
167	9.35	10.7	1935	4160	1.34	1.0	60	17:12		181	92	86	56	TRB QC SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-3-82
TESTED BY Ashon Tatroe
Lonnie Rutledge
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
159	118		128			133		131	
159	149	159	150	154	169	183	149	175	
160	149		149			179		164	Hot and changed starter
160	149	160	150	154	175	191	149	177	
161	119		118		159	175		121	
161	149	159	149	154	169	183	149	176	
162	123		132			135		134	
162	149	159	150	154	170	185	149	175	
163	135		128			130		135	
163	149	160	150	154	171	186	149	176	
164	121		130			135		134	
164	149	160	150	154	170	188	149	177	
166	130		134			135		135	
165	149	160	150	154	169	184	149	176	
166	123		130			138		135	
166	149	160	150	154	170	185	149	176	
167	121		134			135		135	
167	149	160	150	154	170	185	149	176	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 3-4-83
TESTED BY Louis Bullwinkle
Orbin Robinson
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP . RNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSOR * . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-4-86
TESTED BY Tom Williams / Oskar Tatuaka
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT 0-4160	AMP X200	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
167										181			41	
168			1935	4160	1.34	1.0	60	7:51						
168	~~9.25~~	~~10.5~~	~~1935~~	~~4160~~	~~1.34~~	~~1.0~~	~~60~~	~~7:40~~		181			41	TRB
168	9.25	10.5	1935	4160	1.34	1.0	60	7:40	7:50	181	105	88	42	TRB
169										181			44	TRB
169	9.25	10.7	1935	4160	1.34	1.0	60	8:47	8:57	181	96	87	45	TRB
170										181			45	TRB
170	9.25	10.8	1935	4160	1.34	1.0	60	9:02	9:12	181	89	86	46	TRB
171										181			48	TRB
171	9.25	10.5	1935	4160	1.34	1.0	60	9:38	9:48	181	91	86	48	TRB
172										181			48	TRB
172	9.2	11.4	1935	4160	1.34	1.0	60	10:16	10:28	181	92	86	48	TRB
173										181			48	TRB
173	9.2	11.7	1935	4160	1.34	1.0	60	10:52	11:09	181	91	86	49	TRB
174										181			50	TRB
174	9.2	10.5	1935	4160	1.34	1.0	60	12:41	12:51	181	93	87	50	TRB
176			3869		3.65					181			50	TRB
176	9.2	10.7	1935	4161	1.34	1.0	60	13:37	13:52	181	95	83	53	TRB

QC SS-19

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SOLD TO ILLINOIS POWER CO,
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-4-82
TESTED BY Tom Williams + Oskar Tatuaka.
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
168	115		115			117		116	Unit shut down on low oil pressure Ambient 41°F.
168									
168	118		116			117		115	
168	149	159	150	154	159	168	148	155	
169	125		120			122		128	
169	149	159	150	154	167	178	149	173	
170	129	+5-	149			177		170	
170	149	159	150	154	173	189	149	176	
171	130		133			132		135	
171	149	159	150	154	170	186	149	175	
172	120		125			138	+9	133	
172	149	159	150	154	170	186	149	176	
173	120		125			135		133	
173	149	159	150	154	170	185	149	176	
174	117		125			123		130	
174	149	159	150	154	169	183	149	175	
175	115		125			123		135	
175	148	163	149	160	190	192	155	188	1 HOUR LOAD RUN SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

JOB NO. 75744
METHOD NO.
DATE 3-5-85
TESTED BY Leslie A. Williams
Osbon Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-4-82 2-5-82
TESTED BY Loyd Allen Allen
Oscar Tatuaca
CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

START NO.	START TIME FROM START TO RATED VOLT & FREQ.	START TIME FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT V-ϕ	AMP x100	P.F. %	FREQ. HZ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI ENG.1	OIL PRESSURE PSI ENG.2	AVG AMB °F	WITNESSED BY
176										181			54	TRB
176	9.5	10.4	1935	4160	1.34	1.0	60	13:52	14:02	181	90	86	55	TRB
177										181			54	TRB
177	9.4	10.9	1936	4160	1.34	1.0	60	14:39	14:40	181	90	86	54	TRB
178										181			56	TRB
178	9.3	10.7	1935	4160	1.34	1.0	60	15:07	15:17	181	91	87	56	TRB
179										181			56	TRB
179	9.35	10.4	1935	4160	1.34	1.0	60	15:39	15:49	181	91	86	56	TRB
180										181			56	TRB
180	9.4	10.9	1935	4160	1.34	1.0	60	15:53	16:03	181	88	86	57	TRB
181										181			57	TRB
181	9.4	10.8	1935	4160	1.34	1.0	60	16:35	16:45	181	91	87	55	TRB
182										181			53	TRB
182	9.3	10.7	1935	4160	1.34	1.0	60	17:16	17:26	181	92	87	53	TRB
183										181			50	TRB
183	9.0	10.2	1935	4160	1.34	1.0	60	7:32	7:42	181	109	88	50	TRB
184										181			52	TRB
184	9.2	10.4	1935	4160	1.34	1.0	60	8:10	8:20	181	102	87	52	TRB

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-4-82 thru 2-5-82
TESTED BY Sandra Robertson
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
176	130		133			132		135	
176	149	159	150	154	172	190	150	178	
177	132		130			128		135	
177	148	159	150	154	170	186	149	177	
178	132		130			125		134	
178	149	159	149	154	170	186	149	173	
179	132		128			132		135	
179	149	159	150	154	170	185	149	175	
180	149		149			181		186	ART START
180	149	161	150	154	175	193	150	177	
181	127		128			125		130	
181	149	159	150	154	170	185	149	175	
182	120		124			125		133	
182	149	159	150	154	170	186	149	175	
183	115		118			115		117	2-5-82
183	149	159	149	152	158	169	141	164	
184	115		118			121		130	
184	149	159	150	154	156	172	148	174	

SHEET OF

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishme

PROCEDURE: 15 ASP.

DATE: 2-5-82

#1 STARTER S/N: 1002 STARTS MADE ON THIS UNIT: 35

PARTS REPLACED: 1001

#2 STARTER S/N: 1000 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 1003

#3 STARTER S/N: 1008 START MADE ON THIS UNIT: 25

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Kathie R Williams DATE: 2-5-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 12 cyl.

DATE: 2-5-82

#1 STARTER S/N: 0991 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0990

#2 STARTER S/N: 0994 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0989

#3 STARTER S/N: 0998 START MADE ON THIS UNIT: 25

PARTS REPLACED: 0996

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Lonnie R Williams DATE: 2-5-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-5-87
TESTED BY Leontio Revilla Jaime
Oldan Estevaco
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
			X10	X-0	X100	%	HZ.			PSI			°F	
185										181			50	TRD
185	9.35	10.7	1935	4160	1.34	1.0	60	8:49	9:59	181	95	87	50	TRD
186										181			50	TRD
186	9.35	11.0	1935	4160	1.34	1.0	60	9:32	9:42	181	93	87	50	TRD
187										181			51	TRD
187	9.4	10.7	1935	4160	1.34	1.0	60	10:15	10:25	181	93	86	52	TRD
188										181			52	TRD
188	9.35	10.5	1935	4160	1.34	1.0	60	10:53	11:03	181	95	87	52	TRD
189										181			52	TRD
189	9.35	11.1	1935	4160	1.34	1.0	60	11:35	11:45	181	93	87	52	TRD
190										182			53	TRD
190	9.4	10.8	1935	4160	1.34	1.0	60	11:55	12:05	182	88	86	52	TRD
191										181			51	TRD
191	9.3	10.5	1935	4160	1.34	1.0	60	12:37	12:47	181	91	87	50	TRD
192										181			50	TRD
192	9.3	10.75	1935	4160	1.34	1.0	60	13:14	13:24	181	91	86	50	TRD
193										181			50	TRD
193	9.35	10.8	1935	4160	1.34	1.0	60	13:5X	14:0X	181	92	87	50	TRD SHEET

QC SS-19

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-5-82
TESTED BY Lonnie Bellhouse
Debra Debouse
CALC. BY
CHECKED BY Judy Mansfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
						121		134	
185	119		135						
185	149	159	149	154	168	181	168	175	Changed stations
						121		131	
186	119		116						
186	149	159	149	154	169	183	149	175	
						122		133	
187	125		132						
187	149	159	149	154	169	183	149	175	
					159	132		134	
188	123		138						
188	149	157	150	154	159	183	149	175	
						124		134	
189	116		126						
189	149	157	149	154	170	185	148	175	
						135		134	
190	119		148						HOT
190	148	157	149	154	174	190	148	176	
						126		135	
191	119		126						
191	148	157	146	150	170	186	149	172	
					160	130		135	
192	122		125						
192	149	159	150	154	170	185	149	175	
						128		134	
193	122		128						
193	149	159	149	154	170	185	149	175	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-2-83
TESTED BY Dustin Blackburn
Adam Patnode
CALC. BY
CHECKED BY
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. DW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. DW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. DW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. DW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. DW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. DW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. DW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. DW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-5-82 3-6-82
TESTED BY Lonnie Russell Thomas Osborn Saturen
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME FROM START TO RATED VOLT & FREQ	START TIME FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS.	OIL PRESSURE PSI ENG. 1	OIL PRESSURE PSI ENG. 2	AVG AMB	WITNESSED BY
			KW			%	HZ.			PSI			°F	
194										181			49	
194	9.3	10.6	1935	4160	1.34	1.0	60	14:23	14:33	181	91	87	49	QC SS-19
195										181			49	
195	9.35	10.9	1935	4160	1.34	1.0	60	14:55	15:05	181	91	86	49	QC SS-19
196										181			48	QC
196	9.25	10.7	1935	4160	1.34	1.0	60	15:32	15:42	181	91	86	49	SS-19
197										181			49	
197	9.2	10.4	1935	4160	1.34	1.0	60	16:08	16:18	181	92	86	48	QC SS-19
198										181			48	QC
198	9.3	10.3	1935	4160	1.34	1.0	60	16:42	16:53	181	92	86	48	SS-19
199										181			37	3-6-82 QC
199	9.0	10.4	1935	4160	1.34	1.0	60	3:02	3:13	182	107	89	38	SS-19
200										182			38	QC
200	9.2	10.6	3869	4160	1.68	1.0	60	4:28	4:39	182	88	87	40	SS-19
201										181			40	QC
201	9.25	10.6	1935	4160	1.34	1.0	60	10:00	10:10	181	90	86	40	SS-19
202										181			40	QC
202	9.1	10.5	1935	4160	1.34	1.0	60	10:38	10:48	181	92	86	40	SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-5-82 2-6-82
TESTED BY Gary Hollandsworth
Asbon Patterson
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
			125			130		135	
194	124								
194	149	159	150	154	170	134	149	175	
195	124		130			132		135	
195	149	159	149	154	170	196	149	176	
196	124		128			130		135	
196	149	159	150	154	170	185	149	176	
197	130		128		170	130		134	
197	144	159	149	154	170	183	149	176	
198	122		128			130		135	
198	152	159	149	154	170	185	149	175	
199	115		117			116		115	2-6-82
199	149	159	149	152	169	139	140	164	
200	118		143			165		163	HOT 1 HOUR LOAD
200	142	162	149	158	188	201	152	185	
201	121		125			130		135	
201	149	159	149	154	170	186	149	176	
202	115		125			130		135	
202	149	159	149	154	169	183	148	175	

SHEET OF

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishme

PROCEDURE: 16cyl.

DATE: 2-6-82

#1 STARTER S/N: 1001 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0999

#2 STARTER S/N: 1003 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 1004

#3 STARTER S/N: 0998 START MADE ON THIS UNIT: 25

PARTS REPLACED: 0997

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Dennis R Williams DATE: 2-6-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishme

PROCEDURE: 12 cyl.

DATE: 2-6-82

#1 STARTER S/N: 0990 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0995

#2 STARTER S/N: 0989 STARTS MADE ON THIS UNIT: 25

PARTS REPLACED: 0992

#3 STARTER S/N: 0996 START MADE ON THIS UNIT: 25

PARTS REPLACED: 0988

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Scott R Williams DATE: 2-6-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-6-82
TESTED BY Leslie Whitmore
Odon Estrada
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
203										181			40	RB
203	9.15	10.35	1935	4160	1.34	1.0	60	11:15	11:25	181	94	86	40	TRB
204										181			40	TRB
204	9.15	10.3	1935	4160	1.34	1.0	60	11:51	12:01	181	94	86	41	TRB
205										181			42	TRB
205	9.1	10.35	1935	4160	1.34	1.0	60	12:39	12:44	181	93	87	42	TRB
206										181			44	TRB
206	9.1	9.95	1935	4160	1.34	1.0	60	13:16	13:26	181	93	87	43	TRB
207										181			44	TRB
207	9.1	10.4	1935	4160	1.34	1.0	60	13:58	14:08	181	93	87	44	TRB
208										181			44	TRB
208	9.1	10.6	1935	4160	1.34	1.0	60	14:42	14:52	181	94	87	44	TRB
209										181			45	TRB
209	9.15	10.5	1935	4160	1.34	1.0	60	15:24	15:31	181	92	87	45	TRB
210										181			44	TRB
210	9.2	10.5	1935	4160	1.34	1.0	60	15:54	15:49	181	88	86	44	TRB
211										181			44	TRB
211	9.1	11.0	1935	4160	1.34	1.0	60	16:35	16:46	181	93	86	43	TRB

QC SS-19

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-5-82
TESTED BY Louise Wallace
Osha Setuaco
CALC. BY
CHECKED BY Judy Wagstaff
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
202	121		125			136		135	
203	149	159	149	154	169	191	149	175	
204	130		126			130		135	
204	149	159	149	154	169	183	149	175	
205	135		124			134		134	
205	149	159	149	154	169	183	149	175	
206	125		136		165	125		135	
206	149	159	149	154	169	183	149	174	
207	126		135			135		134	
207	149	159	149	154	169	183	149	175	
208	130		124			134		131	
208	149	159	149	154	169	182	149	175	
209	135		125			126		135	
209	149	159	149	154	170	184	149	175	
210	146		146			130		170	Hot start and Ranged starter
210	149	159	149	154	175	180	142	176	
211	115		118			120		130	
211	149	159	149	154	169	183	147	175	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-6-82 2-8-82
TESTED BY Louise Williams
Osbon Estacio
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
211										181			42	TRD QC
212	9.15	11.3	1935	4160	1.34	1.0	60	17:15	17:25	181	92	86	42	TRD SS-19
213										181			41	TRD QC
213	9.2	10.4	1935	4160	1.34	1.0	60	12:52	12:05	181	92	86	40	TRD SS-19
214										181			46	TRD QC
214	10.8	10.8	1935	4160	1.34	1.0	60	7:35	7:45	181	111	88	47	TRD SS-19
215										181			47	TRD QC
215	9.5	11.0	1935	4160	1.34	1.0	60	8:05	8:15	182	95	88	48	TRD SS-19
216										181			48	TRD QC
216	9.3	10.4	1935	4160	1.34	1.0	60	9:13	9:23	181	92	86	48	TRD SS-19
217										181			49	TRD QC
217	9.3	10.7	1935	4160	1.34	1.0	60	9:51	10:01	181	92	86	49	TRD SS-19
218										181			49	TRD QC
218	9.3	10.4	1935	4160	1.34	1.0	60	10:35	10:45	181	91	86	50	TRD SS-19
219										181			52	
219	9.35	10.5	1935	4160	1.34	1.0	60	11:11		181	92	87	54	SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-6-82 2-8-82
TESTED BY Gordon Williams
Odell Peterson
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
						128		135	
212	130		125						
212	139	129	144	154	169	185	149	175	
213	138		135			130		135	
213	149	159	150	154	170	184	149	175	
214	117		115			117		116	This was a slow start at 10.8 seconds.
214	149	159	149	153	152	165	140	162	2-8-82 Cause unknown.
						128		132	
214	130		125						
214	149	159	140	148	168	180	138	162	
						132		131	
215	132		123						
215	149	159	150	154	170	185	149	175	
						133		135	
216	132		128						
216	149	159	150	154	170	185	149	175	
						130		132	
217	131		135						
217	149	159	150	154	170	183	149	175	
						128		134	
218	130		128						
218	149	159	150	154	170	185	148	175	
						130		135	
219	132		134						
219	149	159	150	154	170	184	149	175	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 1-8-85
TESTED BY Lester Blackwell
Oshon Peterson
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT Ø-Ø	AMP x10	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG.1	OIL PRESSURE PSI: ENG.2	AVG AMB °F	WITNESSED BY
220										181			53	TRD QC SS-19
220	9.35	10.5	1935	4160	1.34	1.0	60	11:30	11:40	181	87	86	53	TRD SS-19
221										181			53	TRD QC SS-19
221	9.35	10.7	1935	4160	1.34	1.0	60	12:13	12:23	181	92	87	54	TRD SS-19
222										181			56	TRD QC SS-19
222	9.35	10.8	1935	4160	1.34	1.0	60	12:53	13:03	181	91	86	56	TRD
223										181			57	TRD QC SS-19
223	9.35	10.3	1935	4160	1.34	1.0	60	13:32	13:42	181	92	86	58	TRD
224										181			59	TRD QC SS-19
224	9.35	10.7	1935	4160	1.34	1.0	60	14:11	14:22	181	90	86	59	TRD
225										181			60	TRD QC SS-19
225	9.35	10.4	3869	4160	2.68	1.0	60	15:00	15:00	181	83	83	64	TRD SS-19
226										181			60	TRD QC SS-19
226	9.7	10.8	1935	4160	1.34	1.0	60	16:33	16:44	181	89	86	60	TRD
227										181			61	TRD QC SS-19
227	9.5	10.7	1935	4160	1.34	1.0	60	17:14	17:26	181	89	86	61	TRD
228										181			60	TRD QC SS-19
228	9.5	11.0	1935	4160	1.34	1.0	60	17:54		181	91	86	60	TRD SELECT

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO. 2-8-82
DATE 2-8-82
TESTED BY Lonnie Williams
Alvin Talarico
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
~~220~~									
220	148		147			181		166	HOT
220	149	160	150	155	175	191	150	178	
221	135		138			120		132	
221	149	160	149	154	172	185	149	175	
222	124		126			125		135	
222	149	160	149	154	170	182	149	174	
223	126		128			124		134	
223	149	160	150	154	170	184	149	175	
224	130		133			125		135	
224	150	160	150	154	171	187	150	176	
225	120		125			120		130	1 HOUR LOAD
225	149	164	150	162	191	215	158	190	
226	133		135			128		135	
226	149	160	149	154	175	192	149	178	
227	135		132			124		133	
227	149	159	150	154	170	188	150	177	
228	133		133			128		135	
228	149	159	144	154	171	188	149	177	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-9-83
TESTED BY Gene B Williams

CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. JW
2. TURN ON D.C. POWER . . . . . TECH. INIT. JW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. JW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. JW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. JW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. JW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. JW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. JW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 2-11-92
TESTED BY Lulia Williams

CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. JW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. JW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. JW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. JW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. JW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. JW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. JW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. JW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-12-97
TESTED BY Lonnie R. Wilson

CALC. BY
CHECKED BY Judy A. Warfield
GOV'T. INSP

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

JOB NO. 75744
METHOD NO.
DATE 2-9-82 - 2-11-82
TESTED BY Sonia Hildebrand
Alton Tatnall
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT %	AMP x200	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
229										182			52	RWJ RCS OC SS-19
229	9.7	@ 11.0	1935	4160	1.34	1.0	60	7:48	7:58	121	98	89	52	
	This Start Requested By Engineering													
230										181			54	
229														
Governor Problem - Will Begin Test Start 3								9:32						2-11-82
TS-1								15:05						
TS-2	changed governor found solenoid valve open in new governor removed							15:10						
	valves													
TS-3	Started and took governor event to full load cause one of the heads warped							full load						
	service put a load on unit Caterpillar governor and diesel fuel pump F10 pad													
TS-4	To record fuel and started unit to governor Katolite, shown results													
	to rated speed and F 2 adjustment go by full.													
TS-4	Adjusted torque on F 2 and slight head warped people found that top													
	speed adjustment range at top load.													
TS-5	Made test start time and governor surge reset.													
TS-6	Made test start and time surge 9.5 seconds.													
TS-7	Made test start and time surge 9.35 seconds. Recalibrated tachometer													2-12-82
TS-8	" " " " Governor did not control unit full fuel governor could not													
TS-9	Still on below governor adjust. Governor did not control governor													
TS-10	Made 2 starts 10-12 seconds governor did not control													
TS-11	governor did not control governor													
TS	Engine has 32 starts on hours													
TS-13														SHEET OF

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SOLD TO ILLINOIS POWER CO,
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-9-82
TESTED BY Santos Castillo
Gabon Salvador
CALC. BY
CHECKED BY Judy Littlefield
GOV'T. INSP.

START NO.	JACKET WATER TEMP.				LUBE OIL TEMP.				REMARKS
	ENGINE 1		ENGINE 2		ENGINE 1		ENGINE 2		
	IN	OUT	IN	OUT	IN	OUT	IN	OUT	
229	145		147			118		147	
229	149	155	149	154	162	174	145	170	
230	148		149			170		162	
230									

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JC0A

REPAIR REPORT

PART NUMBER	GOVERNOR DESIGNATION	SALES ORDER NUMBER
8240-482US	[illegible]	0530295E
UMBER	DATE ENTERED	CUSTOMER REJECTION NUMBER
1593769	82-2-17	
CUSTOMER NAME	COUNTRY / COST CODE	CUSTOMER PURCHASE ORDER NUMBER
Stewart & Stevenson Services	USA / 752700	F75744-42473

W.G. Service personnel said governor would not control position of fuel racks.

VISUAL INSPECTION

Governor dity outside and inside, small ships and grit on governor. Terminal shafts rusty, terminal shaft paint on R-side damaged.

COMPLETED BY: P. Jackson | DATE COMPLETED: 82-2-17

AS RECEIVED TEST

Governor pressure good until pilot valve omits oil to power cylinder, pressure then drops to 30-60 PSI and oil flows from top of power piston.

COMPLETED BY: P. Jackson | DATE COMPLETED: 82-2-17

TEARDOWN INSPECTION AND REPAIR

Screw connecting power piston and seat not in place (threads stripped). Governor was very dirty inside. Replaced all check valves and drive shaft bearing. Converted governor to a 8240-482US per order by installing two new solenoid valves (energize to shutdown GS1 and GS2)

COMPLETED BY: B. Hewitson | DATE COMPLETED: 82-2-18

FINAL TEST (TEST SPEC NUMBER) | COMPLETED BY: P. Jackson | DATE COMPLETED: 82-2-19

USE FOR ESTIMATES ONLY

OPERATION	EST TIME	COST PER HR	TOTAL COST
VISUAL INSPECTION			
AS RECEIVED TEST			
TEARDOWN INSPECTION			
FINAL TEST			
MISCELLANEOUS			
[illegible] - LABOR			
TOTAL PARTS (FROM REVERSE SIDE)			
TOTAL ESTIMATE			

REPAIR AUTHORIZED BY: J.K

YES [X] NO [ ] WARRANTY VERIFIED

ATTACH ADDITIONAL FC 1000A FORMS IF MORE SPACE IS NEEDED

FC 1000A

WARRANTY CLAIM ENGINEERING OPINION

SALES/SERVICE:

Customer Stewart & Stevenson Services Inc. Customer No

Shop Order # D53009SF Quantity 1 Failure Review Number

Designation M240-482 Governor Type EGB13P S/N 1593769

Complaint

ENGINEERING DESIGNATE:

Reviewed By Richard R. Lamp Date 82-2-17

As Received:

External Appearance	Ref.	Other Conditions	Ref.	Functions	Ref.
☐ Excellent (like new)		☐ Cust. Adj. Made		☐ Tests w/in specs.	
☒ Good (serviceable)		☐ Maintenance Acc.		☐ Does not test w/in spec.	
☐ Poor (requires rwk)		☐ Maintenance other		☐ Completely functional	
☐ Seal Broken		☐ Other		☐ Partially functional	

Reference Remarks: Governor very dirty inside. Oil leaks thru power piston when governor is controlling. Screw linking power piston to tailrod and spring seat loose, had fallen out and was found in bottom of power cylinder bore.

Recommend Warranty Approval: Yes x No

QUALITY ASSURANCE:

Date Rejected DPC Cust. P.O. Date 82-2-9 S.O. Date 82-2-9

Probable Cause: Not established.

Corrective Action: None

Sales ___ Engineering ___ Repair ___ Assembly ___ Test ___ Customer ___

Other (explain) Parts

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-23-82 2-24-82
TESTED BY Santos R. Villarreal
Oscar Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
TS 17	Started and Ran Up to Rated Voltage and Frequency							9:05	9:46					2-23-82
TS18	9.65							9:00	9:02					
TS 19	9.65							9:14	9:16					
TS20	9.6							9:27	9:29					
TS21	9.6							9:39	9:42					
TS22	9.7							10:00	10:01					
TS23	9.7							10:11	10:13					
TS24	9.7							10:23	10:32					
TS25	9.65							10:40	10:40					
TS26	9.7							10:50	10:52					
TS27	9.5							13:20	15:25					
TS28	9.5							14:20	15:28					
TS29	9.7							15:27	15:28					
TS30	9.7							15:37	15:37					
TS31	9.65							15:46	15:46					
TS32	9.65							15:57	15:57					
TS33	9.6							16:06	16:07					
TS34	9.5							7:29	7:39					2-24-82
TS35	9.7							7:48	7:48					
TS36	9.5							7:03	9:03					
TS37	9.7							9:32	9:32					
TS38	9.6							9:41	9:46					
TS39	9.4	To warm up for Hot Start	230					9:35	9:45					2-25-82
TS40	Started and Loaded for Hot Start		300				2-28-82							
TS41	Unloaded one after changing air manifold #2.							10:55	11:05					
TS42	Hot start.							12:41	1147					SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-24-82
TESTED BY Louis R Williams

CALC. BY
CHECKED BY Judy A Whitfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. JW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. JW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. JW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. JW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. JW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. JW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. JW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. JW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE: 2-25-85
TESTED BY: Chris Williams

CALC. BY
CHECKED BY: Judy Mayfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. CW
2. TURN ON D.C. POWER . . . . . TECH. INIT. CW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. CW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. CW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. CW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. CW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. CW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. CW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

JOB NO. 75744
METHOD NO.
DATE 3-12-83
TESTED BY [illegible]
CALC. BY
CHECKED BY [illegible signature]
GOV'T. INSP.

START AND LOAD ACCEPTANCE QUALIFICATION TEST

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB OF	WITNESSED BY
TS14	Made start and recovery run on 12 cyl [illegible]													
TS15	12 Cyl [illegible] operated satisfactory on this start													
TS16	12 cyl [illegible] failed to operate													

SHEET OF

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-23-89
TESTED BY Lois Williams

CALC. BY
CHECKED BY Judy Ashfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. lw
2. TURN ON D.C. POWER . . . . . .TECH. INIT. lw
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. lw
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. lw
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. lw
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. lw
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. lw
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. lw

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-23-87 2-24-87
TESTED BY Curtis Bell Thomas
Cesar Fonseca
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT %	AMP %	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
TS17	9.6	Ran Hot Start Test Engine						9:08	9:45					2-23-87
TS18	9.65							9:00	9:02					
TS19	9.65							9:14	9:16					
TS20	9.6							9:26	9:29					
TS21	9.6							9:39	9:42					
TS22	9.7							10:00	10:01					
TS23	9.7							10:11	10:13					
TS24	9.7							10:32	10:37					
TS25	9.65							10:40	10:40					
TS26	9.7							10:50	10:52					
TS27	9.5							13:20	13:25					
TS28	9.5							14:20	15:28					
TS29	9.7							16:27	15:28					
TS30	9.7							15:39	15:37					
TS31	9.65							13:46	15:46					
TS32	9.65							15:52	15:57					
TS33	9.6							16:06	16:07					
TS34	9.5							7:27	7:39					2-24-87
TS35	9.7							7:48	7:49					
TS36	9.5							9:03	9:03					
TS37	9.7							9:32	9:32					
TS38	9.6							9:41	9:46					
TS39	9.4	Ramp up for Hot Start 230						7:25	7:45					2-25-87
TS40	Started engine stopped for start 200						2-28-87							
TS41	Engine ran 5 min after changing air cleaner #2.							10:57	11:05					
TS42	Hot start.							12:41	1147					

SHEET OF

FTR-75744-1

WARRANTY CLAIM ENGINEERING OPINION

SALES/SERVICE:

Customer Stewart & Stevenson Services Inc. Customer No. 2861

Shop Order # D53C09SF Quantity 1 Failure Review Number

Designation 8240-482 Governor Type EGB13P S/N 1593769

Complaint

ENGINEERING DESIGNATE:

Reviewed By Richard R. Lamp Date 82-2-17

As Received:

External Appearance	Ref.	Other Conditions	Ref.	Functions	Ref.
☐ Excellent (like new)		☐ Cust. Adj. Made		☐ Tests w/in specs.	
☒ Good (serviceable)		☐ Maintenance Acc.		☐ Does not test w/in specs.	
☐ Poor (requires rwk)		☐ Maintenance other		☐ Completely functional	
☐ Seal Broken		☐ Other		☐ Partially functional	

Reference Remarks: Governor very dirty inside. Oil leaks thru power piston when governor is controlling. Screw linking power piston to tailrod and spring seat loose, had fallen out and was found in bottom of power cylinder bore.

Recommend Warranty Approval: Yes x No

QUALITY ASSURANCE:

Date Rejected DPC Cust. P.O. Date 82-2-9 S.O. Date 82-2-9

Probable Cause: Not established.

Corrective Action: None

Sales ___ Engineering ___ Repair ___ Assembly ___ Test ___ Customer ___

Other (explain) Parts

1000A

REPAIR REPORT

PART NUMBER	GOVERNOR DESIGNATION	SALES ORDER NUMBER
8240-482US	EGB13P	05300985
[redacted] NUMBER	DATE ENTERED	CUSTOMER REJECTION NUMBER
1593769	82-2-17	
CUSTOMER NAME	COUNTRY / CUST CODE	CUSTOMER PURCHASE ORDER NUMBER
Stewart & Stevenson Services	USA / 752700	F75744-42473

W.G. Service personnel said governor would not control position of fuel racks.

VISUAL INSPECTION

Governor dity outside and inside, small ships and grit on governor. Terminal shafts rusty, terminal shaft paint on R side damaged.

COMPLETED BY: P. Jackson | DATE COMPLETED: 82-2-17

AS RECEIVED TEST

Governor pressure good until pilot valve omits oil to power cylinder, pressure then drops to 30-60 PSI and oil flows from top of power piston.

COMPLETED BY: P. Jackson | DATE COMPLETED: 82-2-17

TEARDOWN INSPECTION AND REPAIR

[redacted]

Screw connecting power piston and seat not in place (threads stripped). Governor was very dirty inside. Replaced all check valves and drive shaft bearing. Converted governor to a 8240-482US per order by installing two new solenoid valves (energize to shutdown GS1 and GS2)

COMPLETED BY: B. Hewitson | DATE COMPLETED: 82-2-18

FINAL TEST (TEST SPEC NUMBER)

COMPLETED BY: P. Jackson | DATE COMPLETED: 82-2-19

USE FOR ESTIMATES ONLY

OPERATION	EST TIME	COST PER HR	TOTAL COST
VISUAL INSPECTION			
AS RECEIVED TEST			
TEARDOWN INSPECTION			
FINAL TEST			
MISCELLANEOUS			
[redacted] - LABOR			
TOTAL PARTS (FROM REVERSE SIDE)			
TOTAL ESTIMATE			

REPAIR AUTHORIZED BY: [signature]

YES [X] NO [ ] WARRANTY VERIFIED

ATTACH ADDITIONAL FC 1000A FORMS IF MORE SPACE IS NEEDED

FC 1000A

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 12 cyl.

DATE: 2-24-82

#1 STARTER S/N: 0995 STARTS MADE ON THIS UNIT: 59

PARTS REPLACED: 0995

#2 STARTER S/N: 0942 STARTS MADE ON THIS UNIT: 59

PARTS REPLACED: 0989

#3 STARTER S/N: 0988 START MADE ON THIS UNIT: 59

PARTS REPLACED: 0996

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Fontis R. Williams DATE: 2-24-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishment

PROCEDURE: 16cyl.

DATE: 3-24-85

#1 STARTER S/N: 0999 STARTS MADE ON THIS UNIT: 59

PARTS REPLACED: 1001

#2 STARTER S/N: 1004 STARTS MADE ON THIS UNIT: 59

PARTS REPLACED: 1005

#3 STARTER S/N: 0997 START MADE ON THIS UNIT: 59

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Lonnie Williams DATE: 3-24-82

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-25-82
TESTED BY Loyd Williams
Alton Estevace
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. LW
8. TURN ON RAW WATEP CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-25-82
TESTED BY Taylor Rathbone
Osbon Eaton
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT Ø-Ø	AMP	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
230										181			72	TRB OC
230	9.6	11.5	1935	4160	1.34	1.0	60	7:53	8:03	181	93	86	72	TRB SS-19
231										181			70	TRB
231	9.6	11.2	1935	4160	1.34	1.0	60	8:35	8:45	181	93	86	70	TRB OC SS-19
232										181			71	TRB OC
232	9.6	11.7	1935	4160	1.34	1.0	60	9:19	9:29	181	92	86	71	TRB SS-19
233										181			71	TRB OC
233	9.4	11.0	1935	4160	1.34	1.0	60	10:00	10:10	181	93	86	72	TRB SS-19
234										181			73	TRB OC
234	9.45	11.5	1935	4160	1.34	1.0	60	10:41	10:51	181	93	86	73	TRB SS-19
235										181			72	TRB OC
235	9.5	10.9	1935	4160	1.34	1.0	60	11:26	11:36	181	93	86	73	TRB SS-19
236										181			72	TRB OC
236	9.4	10.8	1935	4160	1.34	1.0	60	12:07	12:17	181	93	86	73	TRB SS-19
237										181			71	TRB OC
237	9.4	11.0	1935	4160	1.34	1.0	60	12:41	12:54	181	93	86	70	TRB SS-19
238										181			72	TRB OC
238	9.4	11.8	1935	4160	1.34	1.0	60	13:32	13:32	181	93	86	70	TRB SS-19

SHEET 5 OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 7524
METHOD NO.
DATE 2-25-82
TESTED BY Curtis Williams
Asher Johnson
CALC. BY
CHECKED BY Judy Whitfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
230	149		149			165		160	
230	149	159	149	154	169	181	149	179	
231	128		133			130		131	
231	149	159	149	154	168	180	150	179	
232	131		133			130		130	
232	144	159	144	154	169	180	150	180	
233	130		133			132		133	
233	149	159	150	155	168	180	150	180	
234	130		133			132		133	
234	149	159	149	154	169	180	150	180	
235	130		132			130		130	
235	149	159	149	154	168	180	150	180	
236	130		132			131		134	
236	149	159	149	154	169	180	150	180	
237	130		132			135		135	
237	149	159	149	154	169	180	149	180	
238	130		134			135		135	
238	149	159	149	155	168	180	149	179	

SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-26-82
TESTED BY Lonnie R. Williams
Osbon Salvage
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. LW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. LW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. LW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. LW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. LW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. LW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. LW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. LW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO 75744
METHOD NO.
DATE 2-25-82 2-26-82
TESTED BY Curtis Rathbun
Asher Latimer
CALC. BY
CHECKED BY Judy Mayfield
GOV'T. INSP.

ST. NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AMC AMB °F	WITNESSED BY
239										181			72	
239	9.45	11.05	1935	4160	1.34	1.0	60	13:02	14:12	181	93	86	72	
240										181			73	TRB
240	9.5	11.1	1935	4160	1.34	1.0	60	14:17	14:27	181	89	86	72	TRB
241										181			67	TRB
241	9.45	11.4	1935	4160	1.34	1.0	60	15:01	15:11	181	92	86	67	TRB
242										181			64	TRB
242	9.35	10.7	1935	4160	1.34	1.0	60	15:29	15:39	181	93	86	64	TRB
243										181			64	TRB
243	9.4	10.8	1935	4160	1.34	1.0	60	16:17	16:39	181	91	86	63	TRB
244										181			62	TRB
244	9.4	11.0	1935	4160	1.34	1.0	60	17:06	17:15	181	94	86	62	TRB
245										181			59	
245	9.3	10.4	1935	4160	1.34	1.0	60	17:43	17:54	181	93	86	60	TRB
246										181			59	TRB
246	9.3	10.3	1935	4160	1.34	1.0	60	18:31		181	92	86	59	TRB
247										182			46	TRB
247	9.15	10.7	1935	4160	1.34	1.0	60	7:31		181	105	90	47	SHEET

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-25-82 3-26-82
TESTED BY Dustin Hollowell
Allen Estes
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
239	135		134			134		134	
239	149	159	149	154	169	181	150	180	
240	150			150		179	150	180	
240	149	159	150	155	172	187	152	182	HOT START
241	138		133			122		139	
241	149	159	149	154	169	180	149	179	
242	130		133			125		134	
242	144	159	149	154	168	180	149	179	
243	133		135			134		135	
243	149	159	149	154	169	181	150	180	
244	115		138			118		139	
244	149	159	149	154	169	179	149	179	
245	130		130			124		133	
245	144	159	149	154	169	180	149	180	
246	130		131			128		135	
246	149	159	149	154	169	180	149	179	
247	116		115			116		115	3-26-82
247	149	159	149	154	159	118	143	168	

SHEET OF

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 12cyl.

DATE: 2-26-82

#1 STARTER S/N: 0990 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0995

#2 STARTER S/N: 0989 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0992

#3 STARTER S/N: 0996 START MADE ON THIS UNIT: 26

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: [signature] DATE: 2-26-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 16a4

DATE: 2-26-82

#1 STARTER S/N: 1001 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0999

#2 STARTER S/N: 1005 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 1004

#3 STARTER S/N: 995 START MADE ON THIS UNIT: 26

PARTS REPLACED:

#4 STARTER S/N: 0997 START MADE ON THIS UNIT:

PARTS REPLACED:

.....

ADDITIONAL COMMENTS:

TECHNICIANS SIGNATURE: Dustin R. Williams DATE: 2-26-82

FTR-75744-1

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-26-82
TESTED BY Dexter Hollaway
Osbon Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ.	TO LOAD	KW	E-E	±100	%	HZ.			PSI	ENG. 1	ENG. 2	°F	
248										181			48	TRD QC
248	9.35	11.7	1935	4160	1.34	1.0	60	8:05	8:15	181	96	87	48	TRD SS-1
249										181			50	TRD QC
249	9.3	11.6	1935	4160	1.34	1.0	60	8:41	8:51	181	99	86	50	TRD SS-1
250										182			50	TRD QC
250	9.2	10.6	3869	4160	2.68	1.0	60	8:59	9:09	181	79	84	52	TRD SS-1
251										181			52	TRD QC
251	9.4	10.7	1935	4160	1.34	1.0	60	10:35	10:46	181	90	86	51	TRD SS-1
252										181			50	TRD QC
252	9.3	10.7	1935	4160	1.34	1.0	60	11:21	11:31	181	93	86	50	TRD SS-1
253										181			50	TRD QC
253	9.3	11.0	1936	4160	1.34	1.0	60	12:01	12:11	181	94	87	50	TRD SS-1
254										181			51	TRD QC
254	9.3	11.0	1935	4160	1.34	1.0	60	12:43	12:53	181	44	86	52	TRD SS-1
255										181			52	TRD QC
255	9.3	10.6	1935	4160	1.34	1.0	60	13:23	13:34	181	94	87	53	TRD SS-1
256										181			53	TRD QC
256	9.4	11.2	1935	4160	1.34	1.0	60	14:04	14:24	181	94	87	50	TRD SS-1

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-26-82
TESTED BY Dustin Blackmore
Osbon Estuaco
CALC. BY
CHECKED BY Judy Markland
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
247	116		133			122		130	
248	149	159	149	154	163	175	149	176	
249	130		134			135		135	
249	149	159	149	154	165	180	149	178	
250	145		140			126		170	
250	149	160	149	158	184	205	156	148	
251	120		130			135		134	
251	149	158	150	155	170	184	150	180	
252	125		130			134		132	
252	150	156	150	153	168	180	149	128	
253	124		128			125		135	
253	144	157	149	154	166	180	149	118	
254	118		134			134		134	
254	149	156	149	154	166	179	149	179	
255	116		132			120		137	
255	149	156	149	154	166	180	149	179	
256	115		128			135		132	Changed Starters
256	149	159	149	154	163	176	149	177	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 75744
METHOD NO.
DATE 2-27-82
TESTED BY Frates Robertson

CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. JW
2. TURN ON D.C. POWER . . . . . TECH. INIT. JW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. JW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. JW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. JW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. JW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. JW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. JW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET, DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

STEWART E. STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-26-82 3-27-82
TESTED BY Lonnie Williams Orban Petruce
CALC. BY
CHECKED BY Judy Mansfield
GOV'T. INSP

START NO.	START TIME FROM START TO RATED VOLT & FREQ.	START TIME FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT V-Ø	AMP ±20	P.F. %	FREQ. HZ.	TIME OF DAY AT START	TIME OF DAY AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI ENG. 1	OIL PRESSURE PSI ENG. 2	AVG AMB °F	WITNESSED BY
257										181			50	TRB
257	9.35	10.7	1935	4160	1.34	1.0	60	14:59	15:09	181	93	86	52	TRB CC SS-19
258										181			52	TRB
258	9.3	10.8	1935	4160	1.34	1.0	60	15:39	15:39	181	94	86	50	TRB CC SS-19
259										181			50	TRB
259	9.3	10.6	1935	4160	1.34	1.0	60	16:38	16:38	181	94	86	50	TRB CC SS-19
260										181			50	TRB
260	9.3	10.6	1935	4160	1.34	1.0	60	16:45	16:55	181	90	86	51	TRB CC SS-19
261										181			50	TRB
261	9.3	11.0	1935	4160	1.34	1.0	60	17:24	17:36	181	92	86	50	TRB CC SS-19
262										181			50	TRB
262	9.3	10.5	1935	4160	1.34	1.0	60	18:08	18:16	181	94	86	49	TRB CC SS-19
263										181			44	3-28-82 TRB
264	9.15	10.6	1935	4160	1.34	1.0	60	7:44	7:51	182	111	90	46	TRB CC SS-19
264										181			46	TRB
264	9.3	9.9	1935	4160	1.34	1.0	60	8:17	8:27	181	96	89	46	TRB CC SS-19
265										181			48	TRB CC
265	9.25	10.4	1935	4160	1.34	1.0	60	9:04	9:11	181	96	89	49	TRB CC SS-19

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-26-82 3-27-82
TESTED BY Justin Robinson
Oshin Fetuaca
CALC. BY
CHECKED BY Judy Barfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
257	131		129			128		133	
257	149	159	149	154	168	180	149	179	
258	120		132			125		134	
258	150	158	149	153	166	180	150	178	
259	119		131			116		130	
259	141	158	150	158	164	179	150	178	
260	149		149			134		167	
260	104	159	149	154	170	182	149	170	
261	128		133			125		135	
261	149	154	150	154	164	182	150	179	
262	120		130			125		134	3-27-82
262	150	156	150	154	166	179	149	178	
263	116		130	~~130~~		115		117	
263	148	158	149	154	153	161	143	168	
264	120		135		1	125		135	
264	149	159	149	154	162	175	149	175	
265	117		125			120		134	
265	150	156	150	154	164	176	149	178	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-27-82
TESTED BY Tom Tibbetts Bill Thomas
Osbon Tatsuoc
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ.		KW	0-6	1.20	%	HZ.			PSI			OF	
266										181			50	TRB
266	9.35	10.6	1935	4160	1.34	1.0	60	9:45	9:52	181	93	87	52	TRB
267										181			54	TRB
267	9.3	10.5	1935	4160	1.34	1.0	60	10:22	10:32	181	94	86	53	TRB
268										181			55	TRB
268	9.35	10.7	1935	4160	1.34	1.0	60	11:03	11:14	181	93	86	58	TRB
269										181			58	TRB
269	9.35	10.5	1935	4160	1.34	1.0	60	11:40	11:50	181	93	86	58	TRB
270										181			59	TRB
270	9.35	10.4	1935	4160	1.34	1.0	60	11:57	13:07	181	90	86	60	TRB
271										181			60	TRB
271	9.35	10.5	1935	4160	1.34	1.0	60	13:36	13:46	181	93	86	60	TRB
272										181			61	TRB
272	9.3	10.5	1935	4160	1.34	1.0	60	13:13	13:23	181	94	86	61	TRB
273										181			64	TRB
273	9.3	10.4	1935	4160	1.34	1.0	60	13:53	14:03	181	93	86	64	TRB
274										181			66	TRB
274	9.4	10.4	1935	4160	1.34	1.0	60	14:34	14:44	181	93	86	64	TRB

SHEET OF

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-27-82
TESTED BY Curtis Mullenax
Osbon Estrada
CALC. BY
CHECKED BY Judy Underfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
						133		133	
266	115		129						
266	149	139	149	154	168	179	149	179	
						133		135	
267	116		128						
267	149	139	149	154	165	179	149	178	
						134		133	
268	116		130						
268	149	139	149	154	169	180	149	179	
						128		133	
269	121		130						
269	149	139	149	154	168	180	149	179	
						178		169	
270	142		148						
270	149	139	149	154	161	186	150	181	
						126		135	
271	120		132						
271	149	139	149	154	169	180	149	179	
						127		135	
272	121		131						
272	149	139	149	154	165	179	149	179	
						132		137	
273	120		131						
273	149	139	149	154	168	180	149	179	
						134		133	
274	119		132						
274	150	138	149	154	167	180	149	179	

SHEET OF

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W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 16 cyl

DATE: 2-28-82

#1 STARTER S/N: 0999 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 1001

#2 STARTER S/N: 1004 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 1005

#3 STARTER S/N: 0997 START MADE ON THIS UNIT: 26

PARTS REPLACED: 0998

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Gaston R Williams DATE: 3-28-82

W. O. NO. 75744

TEST TITLE: Start and Load Acceptance Qualification Test - Air Start Motor Refurbishmen

PROCEDURE: 12 cyl.

DATE: 2-28-82

#1 STARTER S/N: 0995 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0990

#2 STARTER S/N: 0992 STARTS MADE ON THIS UNIT: 26

PARTS REPLACED: 0959

#3 STARTER S/N: 0938 START MADE ON THIS UNIT: 26

PARTS REPLACED: 0996

#4 STARTER S/N: _____ START MADE ON THIS UNIT: _____

PARTS REPLACED: _____

.....

ADDITIONAL COMMENTS: _____

TECHNICIANS SIGNATURE: Cynthia R Williams DATE: 2-28-82

SOLD TO: ILLINOIS POWER CO.
ADDRESS: 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING: 3869 KW, 4160 VOLT
SERVICE

JOB NO. 75744
METHOD NO.
DATE 12-28-82
TESTED BY Charles Williams
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. JW
2. TURN ON D.C. POWER . . . . . TECH. INIT. JW
3. TURN ON COOLING TOWER FANS . . . . . TECH. INIT. JW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. JW
5. TURN ON AIR COMPRESSORS* . . . . . TECH. INIT. JW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. JW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . TECH. INIT. JW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. JW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-27-87 2-28-87
TESTED BY Leonard Williams
Oscar Estrada
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT Ø-Ø	AMP X000	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
275										181			65	TRB OC SS-1
275	9.3	10.5	3860	4160	2.68	1.0	60	15:13	16:13	181	78	82	67	TRB
276					1.34					181			48	TRB OC SS-1
276	9.35	10.3	1935	4160	1.34	1.0	60	7:53	8:03	181	110	87	49	TRB OC SS-1
277									8:34	181			50	TRB OC SS-1
277	9.35	10.4	1935	4160	1.34	1.0	60	9:28	9:36	181	95	86	51	TRB OC SS-1
278										181			52	TRB OC SS-1
278	9.3	10.3	1935	4160	1.34	1.0	60	9:10	9:20	181	94	86	54	TRB OC SS-1
279										181			52	TRB OC SS-1
279	9.3	10.7	1935	4160	1.34	1.0	60	9:52	10:02	181	93	86	54	TRB OC SS-1
280										181			55	TRB OC SS-1
280	11.2	12.3	1935	4160	1.34	1.0	60	10:09						
TS-1										181			61	TRB OC SS-1
TS-1														
280										181			66	TRB OC SS-1
280	9.3	10.5	1935	4160	1.34	1.0	60	12:44	12:54	181	90	86	66	TRB OC SS-1
281										181			67	TRB OC SS-1
281	9.3	10.6	1935	4160	1.34	1.0	60	13:31		181	93	86	66	SHEFF OC SS-1

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-27-82 2-28-82
TESTED BY Linda K Williams
Debra Johnson
CALC. BY
CHECKED BY Judy K Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
275	130		125			125		132	
275	144	161	144	160	186	206	154	147	
276	116		116			115		120	2-26-82
276	149	159	144	154	153	162	143	168	
277	125		127			124		129	
277	149	159	149	154	164	176	149	173	
278	130		128			131		130	
278	149	158	149	154	166	181	150	178	
279	130		128			133		131	
279	149	159	149	154	167	180	149	179	
280	148		148			176		167	Shut unit down.
280									
15-1	149		149			171		158	
15-1									
280	148		146			178		171	
280	149	159	149	154	170	185	150	180	
281	130		123			125		133	
281	149	158	149	156	168	181	150	178	

SHEET OF

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS, 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

JOB NO. 15744
METHOD NO.
DATE 3-1-83
TESTED BY Carter R Whitmore

CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

DAILY CHECK SHEET

PRIOR TO THE INITIATION OF EACH DAYS START TEST SEQUENCE, THE FOLLOWING ITEMS WILL BE VERIFIED AS OPERATIONAL AND THE APPROPRIATE SPACE INITIALED BY THE TEST TECHNICIANS.

1. FUEL OIL PUMP TURNED ON . . . . . TECH. INIT. JW
2. TURN ON D.C. POWER . . . . . .TECH. INIT. JW
3. TURN ON COOLING TOWER FANS . . . . . .TECH. INIT. JW
4. TURN ON JACKET WATER CIRCULATING PUMP . . . . . TECH. INIT. JW
5. TURN ON AIR COMPRESSORS* . . . . . .TECH. INIT. JW
6. PLUG IN AND TURN ON BATTERY CHARGER . . . . . TECH. INIT. JW
7. ASSURE CHART RECORDER IS ON AND WARM . . . . . .TECH. INIT. JW
8. TURN ON RAW WATER CIRCULATION PUMPS . . . . . TECH. INIT. JW

* NO STARTS PERFORMED UNTIL STARTING AIR PRESSURE REACHES 250 PSI.

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-28-82 3-1-82
TESTED BY Sandra R Williams
Cesar Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT	AMP	P.F.	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
282	9.35	10.4	1935	4160	1.34	1.0	60	14:10	14:52	181			68	TRB OC
										181	93	87	68	TRB SS-1
283										181			70	OC
283	9.3	14.9	1435	4160	1.34	1.0	60	14:52	15:03	181	94	87	68	SS-1 TRB
284										181			70	TRB OC
284	9.3	10.5	1935	4160	1.34	1.0	60	15:35	15:[illegible]	181	94	87	70	TRB SS-1
285										181			69	TRB OC
285	9.2	10.4	1935	4160	1.34	1.0	60	16:20	16:30	181	94	87	68	TRB SS-1
286										181			69	TRB OC
286	9.3	10.3	1935	4160	1.34	1.0	60	17:[illegible]	17:[illegible]	181	93	87	67	TRB SS-1
287			[illegible]	4160	[illegible]	1.0	1.0	7:10		182			50	3-1-82 TRB OC
287	9.2	10.2	1935	4160	1.34	1.0	60	7:19	7:28	181	102	90	50	TRB SS
288										181			52	TRB OC
288	9.3	10.4	1935	4160	1.34	1.0	60	7:47	7:57	181	94	86	52	TRB SS
289										181			56	TRB OC
289	9.22	10.4	1935	4160	1.34	1.0	60	8:25	8:35	181	93	86	56	TRB SS-1
290										181			58	TRB OC
290	9.65	10.8	1935	4160	1.34	1.0	60	8:43	8:53	181	90	86	56	TRB ET SS-1

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 2869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-26-82 3-1-82
TESTED BY Scott Russell
Dan Edwards
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	ENGINE 1 OUT	ENGINE 2 IN	ENGINE 2 OUT	REMARKS
282	120		135			121		134	
282	150	158	150	155	168	180	150	174	
283	116		135			121		134	
283	150	158	150	155	167	180	150	174	
284	115		135			117		130	
284	150	158	150	155	166	180	150	174	
285	115		135	150		116		130	
285	150	158	150	154	167	180	150	180	
286	116		135			118		132	
286	149	158	150	155	168	181	150	179	
287	115		117			115		115	3-1-82
287	149	156	149	154	158	166	149	170	
288	120		138			125		135	
288	149	154	149	154	166	179	149	149	
289	120		138			120		134	
289	150	158	149	154	167	180	149	179	
290	147		148			176		170	
290	150	158	149	154	170	186	149	178	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525

CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-1-82
TESTED BY Dottie Williams
Alan Estrada
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD	VOLT	AMP	P.F.	FREQ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS.	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB	WITNESSED BY
	VOLT & FREQ.	TO LOAD	KW	∅-∅	±200	%	HZ.			PSI			°F	
291										181			60	TRB QC
291	9.3	10.6	1935	4160	1.34	1.0	60	9:31	9:31	181	92	86	60	TRB SS-19
292										181			62	TRB QC
292	9.2	10.1	1935	4160	1.34	1.0	60	9:54	10:04	181	92	86	62	TRB SS-19
293										181			62	TRB QC
293	9.25	9.95	1935	4160	1.34	1.0	60	10:31	10:41	181	93	86	62	TRB SS-19
294										181			66	TRB QC
294	9.3	10.3	1935	4160	1.34	1.0	60	11:07	11:17	181	93	85	64	TRB SS-19
295										181			68	TRB QC
295	9.35	10.0	1935	4160	1.34	1.0	60	11:40	11:50	181	92	86	67	TRB SS-19
296										181			68	TRB QC
296	9.25	10.05	1935	4160	1.34	1.0	60	12:12	12:22	181	92	86	67	TRB SS-19
297										181			68	TRB QC
297	9.25	10.0	1935	4160	1.34	1.0	60	12:52	13:02	181	92	86	67	TRB SS-19
298										181			65	TRB QC
298	9.25	9.9	1935	4160	1.34	1.0	60	13:33	13:43	181	93	86	70	TRB SS-19
299										181			69	TRB QC
299	9.25	10.1	1935	4160	1.34	1.0	60	14:09	14:19	181	93	85	70	TRB SS-19

SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-1-85
TESTED BY Lynda Williams
Alba Estevez
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
291	125		130			126		134	
291	150	158	149	154	168	182	149	179	
292	122		133	13		130		135	
292	150	158	149	154	168	182	150	180	
293	121		133			125		135	
293	150	158	149	154	168	180	150	180	
294	122		133			133		135	
294	149	158	149	154	168	181	150	180	
295	124		133			130		135	
295	150	158	149	154	168	182	150	180	
296	122		133			128		135	
296	150	158	149	154	169	182	150	180	
297	131		133			125		135	
297	150	158	149	154	168	182	150	180	
298	122		134			125		135	
298	149	158	149	154	168	125 182	150	180 180	
299	121		133			127		135	
299	150	158	149	154	168	181	150	180	

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SOLD TO ILLINOIS POWER CO.
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CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT

SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 3-1-85
TESTED BY Cynthia Williams
Oscar Estevez
CALC. BY
CHECKED BY Judy Wardlow
GOV'T. INSP.

START NO.	START TIME: FROM START TO RATED VOLT & FREQ.	START TIME: FROM RATED VOLT & FREQ. TO LOAD	LOAD KW	VOLT %	AMP %	P.F. %	FREQ. HZ.	TIME OF DAY: AT START	TIME OF DAY: AT STOP	AIR PRESS. PSI	OIL PRESSURE PSI: ENG. 1	OIL PRESSURE PSI: ENG. 2	AVG AMB °F	WITNESSED BY
200										187			70	
300	9.2	10.2	3869	460	258	1.0	60	1426	1536	181	77	81	73	

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SOLD TO ILLINOIS POWER CO.
ADDRESS 500 SOUTH 27TH STREET
DECATUR, ILLINOIS 62525
CONT. NO.
MODEL NO.
SERIAL NO.
RATING 3869 KW, 4160 VOLT
SERVICE

STEWART & STEVENSON

OFFICIAL TEST RECORD

START AND LOAD ACCEPTANCE QUALIFICATION TEST

JOB NO. 75744
METHOD NO.
DATE 2-1-83
TESTED BY Leonardo Rodriguez
Oscar Soriano
CALC. BY
CHECKED BY Judy Warfield
GOV'T. INSP.

START NO.	JACKET WATER TEMP. ENGINE 1 IN	JACKET WATER TEMP. ENGINE 1 OUT	JACKET WATER TEMP. ENGINE 2 IN	JACKET WATER TEMP. ENGINE 2 OUT	LUBE OIL TEMP. ENGINE 1 IN	LUBE OIL TEMP. ENGINE 1 OUT	LUBE OIL TEMP. ENGINE 2 IN	LUBE OIL TEMP. ENGINE 2 OUT	REMARKS
						178		142	
300	150		149						
300	148	162	150	155	188	208	159	195	

SHEET 0F

START AND LOAD ACCEPTANCE QUALIFICATION TEST

PROCEDURE:

1. After each 25th start, the air line strainer, air line lubricator and all starters will be removed, disassembled, cleaned and maintained per Stewart & Stevenson Commercial and Parts Manual. Any adjustments or pertinent observations will be recorded in the remarks section of the Test Record. At the end of the testing sequence the air starters will be removed and refurbished to new or like-new condition.

Diesel fuel grade 2 will be switched to Gulf UTI
preservative.
Engine lube oil will be substituted with
Ashland Tectyl # 523 EH.
Cooling System precharged with
Nalcool # 41. (Non Painted parts Coated with Gulf No-Rust #5.

DATE 3/31/82

UNIT #1DG01KA
ENGINE SN#

INSPECTION OF QUALIFICATION TESTING

I. Cylinder Condition:

A. Visually inspect cylinder lining for scuffing or wear.

Findings:

Don't show any wear
in both units.

B. Visually inspect piston rings for any broken, cracked or excessively worn condition.

Findings:

Rings show black insp. lines
and don't show any broken rings
in both units.

C. Visually inspect (where accessible) for any damage due to scuffing or wear.

Insp of air boxes don't show
any damage.
Piping, water elbows etc.

Findings:

No cracks or damage

D. Check air box for excessive oil coming from the turbo charger.

Findings: FOUND NO OIL, NO TRACKS OF TURBO PROBLEMS OR LEAKS, JUST NORMAL DUST ACUMULATION.-

II. Crank Case Condition:

A. Remove one main bearing cap and visually inspect the bearing shell for normalcy. Compare with EMD Inspection and Qualification of Engine Main Bearing (Bulletin No. EMD-1 4.74).

Findings:

INSPECTED BEARING # 3 ON UNIT #1 (12 cyl.) AND SHOWED NORMAL WEAR APPEARANCE, SAME AS # 5 BEARING ON #2 ENGINE (16 cyl.). (ACCORDING TO E.M.D. Bulletin, PAGE # 29)

B. Visually inspect the above Main Bearing Journal for any evidence of damage.

Findings:

NO DAMAGE.

III. Turbo Charger Condition: (in place)

A. Visually inspect turbo wheel for any nicks, dents or other visual damage.

Findings:

Turbo wheel O.K. IN ENGINE #1 & #2

B. Measure the clearance between compressor wheel and the air nozzle. Note the actual measurement taken.

Measurement: #1 ENGINE, CLEARANCE: 0.016"

#2 ENGINE CLEARANCE 0.018

C. Measure the end play of the thrust bearing. Note actual measurement taken.

Measurement: #1 ENGINE 0.011"

#2 ENGINE 0.009"

X IV. Soak Back Pump

A. Engage soak back pump and circulating pump and record discharge pressures.

Pressure: #1 ENGINE 27 PSI. TEMP 112°F W. IN

#2 ENGINE 25 PSI. TEMP IN WATER 118°F

V. Governor:

A. Governor operation check to be performed by the start up at equipment functional start after test equipment jumpers have been removed.

Findings:

GOVERNOR FUNCTION, O.K.

B. Perform a complete tune-up in engine, checking valves, injectors for proper setting. Note any deficiency, other than normal adjustments.

Findings:

TUNE-UP O.K.

VI. Starters:

A. Check starters which are to be shipped with the unit.

/ A. Have been rebuilt and inspected.

B. Rebuilt sheet available.

/ C. Note Serial Number of starters to be shipped.

0995
0992
0988
} 12 cyl

0999
1004
0997
} 16 cyl.

NOTE: Any other conditions or adverse findings.

none

T. C. Reilly
Quality Control Inspector

Technician