

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

AD/4

ACCESSION NBR: 8004080531 DOC. DATE: 80/03/31 NOTARIZED: NO DOCKET #  
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME AUTHOR AFFILIATION  
 TOOKER, D. W. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 Region 2, Atlanta, Office of the Director

SUBJECT: LER 80-012/01T-0: on 800317, during annual insp of diesel generator 1G-31, lower crankshaft thrust 13 bearing found wiped on journal surface. Caused by bearing/crankshaft clearance being out of spec.

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NOTES: -----

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APR 10 1980

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LICENSEE EVENT REPORT

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | During the annual inspection of standby diesel gen. 1G-31, the lower  
03 | crankshaft thrust #13 bearing was found wiped on the journal surface  
04 | Further investigation revealed bearing/crankshaft clearance out of spec.  
05 | and low lube oil sump level. Level was maintained in accordance with  
06 | vendor manual. Redundant standby diesel 1G-21 annual inspection reveal  
07 | ed similar problems (See RO 80-011). Diesel generator operability require  
08 | ments are given in T.S.3.8.A.2. See also RO Reports 77-32 and 78-020.

09 | SYSTEM CODE EE | 11 | CAUSE CODE X | 12 | CAUSE SUBCODE Z | 13 | COMPONENT CODE ENGINE | 14 | COMP. SUBCODE Z | 15 | VALVE SUBCODE Z | 16

17 | LER/RO REPORT NUMBER 80 | 21 | EVENT YEAR 80 | 22 | SEQUENTIAL REPORT NO. 0112 | 24 | OCCURRENCE CODE 011 | 28 | REPORT TYPE T | 30 | REVISION NO. 0 | 32

ACTION TAKEN A | 18 | FUTURE ACTION Z | 19 | EFFECT ON PLANT Z | 20 | SHUTDOWN METHOD Z | 21 | HOURS 0000 | 22 | ATTACHMENT SUBMITTED Y | 23 | NRC-4 FORM SUB. N | 24 | PRIME COMP. SUPPLIER A | 25 | COMPONENT MANUFACTURER C470 | 25

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | Vendor representative indicated bearing/crankshaft clearance was out of  
11 | spec. Reason for out of spec. clearance unknown. Vendor analysis cont  
12 | inues. Bearing was replaced, crankshaft was relapped, and the diesel gen  
13 | erator was reassembled and satisfactorily tested. The lube oil sump was  
14 | filled and dipstick full mark revised per vendor recommendations.

15 | FACILITY STATUS H | 28 | % POWER 0000 | 29 | OTHER STATUS NA | 30 | METHOD OF DISCOVERY B | 31 | DISCOVERY DESCRIPTION Annual Surveillance Test | 32

16 | ACTIVITY CONTENT RELEASED OF RELEASE Z | 33 | Z | 34 | AMOUNT OF ACTIVITY NA | 35 | LOCATION OF RELEASE NA | 36

17 | PERSONNEL EXPOSURES NUMBER 0000 | 37 | TYPE Z | 38 | DESCRIPTION NA | 39

18 | PERSONNEL INJURIES NUMBER 0000 | 40 | DESCRIPTION NA | 41

19 | LOSS OF OR DAMAGE TO FACILITY TYPE Z | 42 | DESCRIPTION NA | 43 | PUBLICITY ISSUED NA | 44 | DESCRIPTION NA | 45

20 | NAME OF PREPARER D. W. Tooker | 68 | 69 | NRC USE ONLY | 80