ITEM NUMBER	DESCRIPTION	F.M. PART NO. SHIPPED LOOSE ITEMS	MOUNTING LOCATION: ENGINE	MOUNTING LOCATION: SKID	MOUNTING LOCATION: CUSTOMER PIPING	ASME SECTION III CLASS 3 COMPONENT	F.M. ELECTRICAL CODE INTERFACE	SETTING OF DEVICE	REMARKS	G.A.I. TAG NUMBERS: DIESEL 1A	G.A.I. TAG NUMBERS: DIESEL 1B
1	AIR INTAKE FILTER SILENCER (QTY. 2)	11908225	–	–	*	NO	—	—	—	XHD-0013A-DG	XHD-0013B-DG
2	FLEX CONNECTION, AIR INTAKE - QTY. (2)	11903422	–	–	*	NO	—	—	—		
3	MANOMETER, AIR INTAKE (QTY. 2)	12995085	–	–	△	NO	—	—	—	PI-5441 PI-5443	PI-5451 PI-5453
4	SWITCH, HIGH DIFFERENTIAL, PRESS AIR INTAKE ALARM (QTY. 2)	11912128	–	–	△	NO	HDA1f2	3" H_2O VACUUM	—	PS-5442 PS-5444	PS-5452 PS-5454
5	EXHAUST EXPANSION JOINT - QTY. (2)	11908358	–	–	*	NO	—	—	—		
6	EXHAUST SILENCER	11908203	–	–	*	NO	—	—	—	XNA-0007A-DG	XNA-0007B-DG
7	FLEX CONNECTOR	12990260	–	–	△	NO	—	—	—		
8	FLEX CONNECTOR CLAMPS - QTY. (2)	92600412	–	–	△	NO	—	—	—		
9	FLEX CONNECTOR - QTY. (3)	12990157	–	–	△	NO	—	—	—		
10	FLEX CONNECTOR CLAMPS - QTY. (6)	92600415	–	–	△	NO	—	—	—		
11	OIL SEPARATOR	11908556	–	–	*	NO	—	—	—	XTK-0123A	XTK-0123B
12	PUMP, CRANKCASE VACUUM, MOTOR 1½ HP, 3 PH, 60Hz, 460V.	11908266	–	–	*	NO	CVM	—	—	XPP-0148A	XPP-0148B
13	FLEX CONNECTOR, 1" NPT (M) SKID END & (F) CUSTOMER END	11908261	–	–	△	NO	—	—	—		
14	AIR INLET ADAPTER ASSY. P12600802 (WELDMENT)	P12600922 (KIT)	–	–	△	NO	—	—	—		
15	EXHAUST ADAPTER ASSY. P12600095 (WELDMENT)	P12600094 (KIT)	–	–	△	NO	—	—	—		
16	NPT (F) TEE, ¼" x ¼" x ¼" (QTY 2)	92002831	–	–	△	NO	—	—	—		
17	PIPE PLUG, ¼" (QTY 2)	92002561	–	–	△	NO	—	—	—		
18	ISOLATION VALVE, ¼" (QTY 4)	92100061	–	–	△	NO	—	—	—		

GENERAL NOTES APPLICABLE TO THE DETAILS OF THIS DRAWING ONLY:

7/1. INTAKE & EXHAUST OPENINGS TO TURBOCHARGER MUST BE COVERED TO PREVENT ENTRY OF FOREIGN PARTICLES OR MATERIAL PRIOR TO INSTALLATION OF THE INTAKE & EXHAUST CONNECTIONS. INSPECTION OF THE CONDITION (AND CLEANING, IF NECESSARY) OF THE TURBOCHARGER OPENINGS TO BE APPROVED BY F'm FIELD ENGINEER PRIOR TO ENGINE START-UP.

7/2. AIR INTAKE PIPING MUST BE COMPLETELY FREE OF DIRT, SCALE, WELD BERRIES ETC AND PAINTED INSIDE WITH RED SEALER. ENTIRE INTAKE SYSTEM MUST BE ABSOLUTELY CLEAN PRIOR TO CONNECTION TO ENGINE (33) RED SEALER: MOBILE G-10-R-2138, MOBILE CHEMICAL CO., 901 N GREENWOOD AVE., KANKAKEE, ILLINOIS, 60901 OR EQUAL

7/3 PRIOR TO FIELD START-UP, A SCREEN SHOULD BE PLACED BETWEEN THE FLANGES OF THE AIR INTAKE ADAPTOR & THE TURBOCHARGER TO STOP ANY DEBRIS FROM ENTERING THE ENGINE. THE SCREEN SHOULD CONSIST OF TWO PIECES OF ¼" HARDWARE CLOTH BETWEEN WHICH A HOUSEHOLD TYPE MESH SCREEN HAS BEEN PLACED. THE SCREEN SHOULD BE REMOVED AS DIRECTED BY THE F'm SERVICEMAN

7/4. THE OIL SEPARATOR & CRANKCASE VACUUM PUMP WILL NOT REQUIRE A FOUNDATION & MAY BE WALL MOUNTED. THEY MUST BE MOUNTED ABOVE THE ENGINE CRANKCASE VENT CONNECTION SO THE OIL WILL DRAIN BACK TO THE ENGINE IN SUCTION & RETURN LINE.

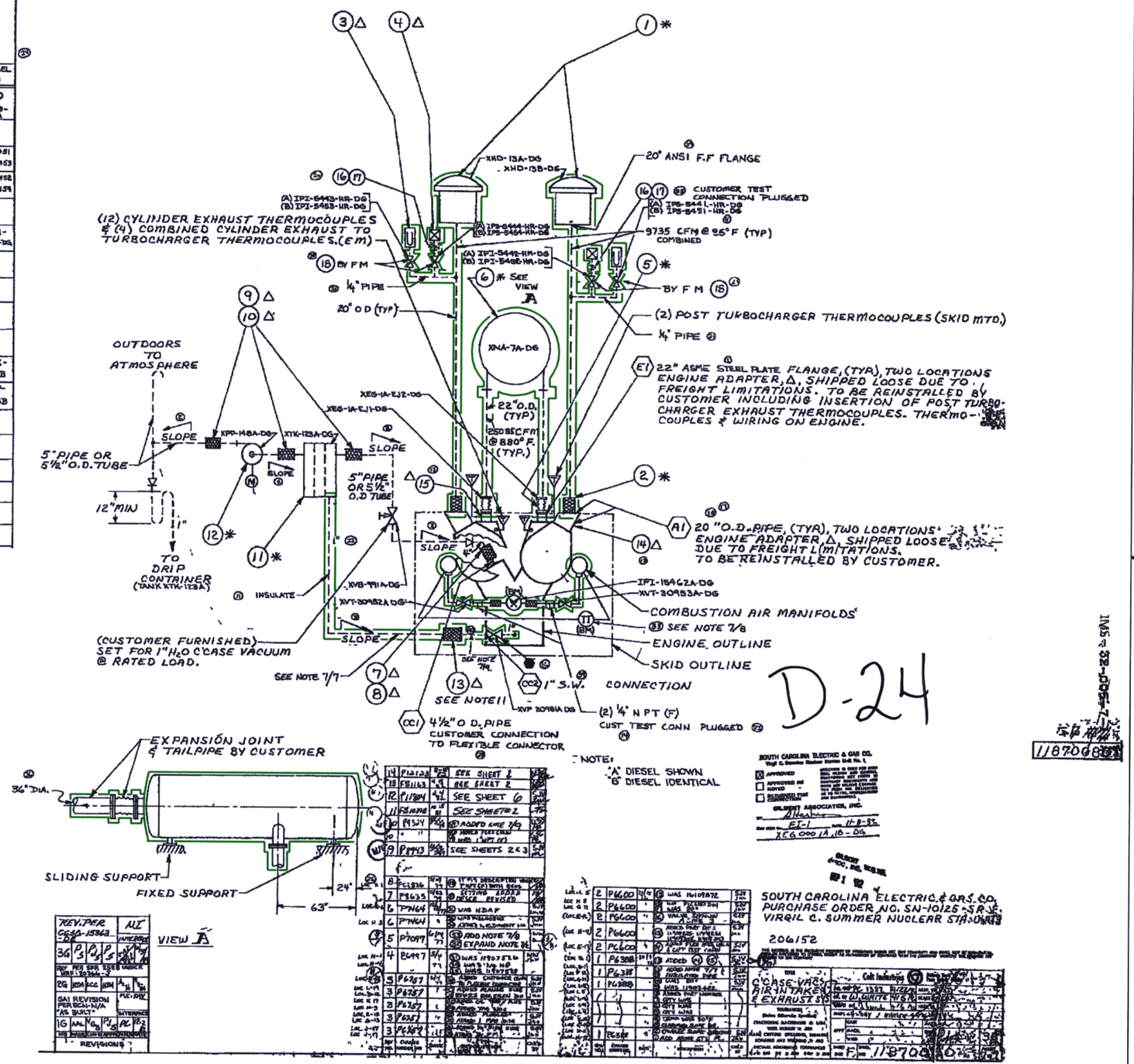
7/5. CRANKCASE VACUUM SYSTEM DRAIN LINE MUST SLOPE DOWN ALL THE WAY WITH NO POCKETS OR SHARP BENDS.

7/6. RECOMMEND AIR INTAKE & EXHAUST PIPING BE 3/8" MIN WALL PIPE ASTM A53 GRADE A OR API 5L GRADE A.

7/7. RECOMMEND THAT CUSTOMER FIELD PIPING BELOW ENGINE LUBE OIL PUMP LEVEL (8) BE ASME III CLASS 3, COMPLIMENTING SKID PIPING.

7/8 (33) PER GAI DEVIATION REQUEST 125-11 GAUGE IS TO BE INSTALLED AT JOB SITE BY COLT CUSTOMER SERVICE REPRESENTATIVE.

7/9 (51) CUSTOMER PIPING AS DETAILED ON DANIEL CONSTRUCTION COMPANY DRAWINGS NO. DE-DG-14 REV 4 & DE-DG-15 REV 4



SOUTH CAROLINA ELECTRIC & GAS CO. PURCHASE ORDER NO. SW-10125-SR V. C. SUMMER NUCLEAR STATION 206152

C'CASE VAC. AIR INTAKE & EXHAUST SYS.

Colt Industries

SOUTH CAROLINA ELECTRIC & GAS CO. Virgil C. Summer Nuclear Station Unit No. 1 — APPROVED — GILBERT ASSOCIATES, INC. — ET-1 — 11-8-85 — XEG 000 1A 16-DG

D-24

IMS-32-005-7

11870868

PLEX Drawing TR00160-005

NO.	DATE	BY	REVISION	DES. BY	LE APPROVAL
1					
2					
3					

VENDOR/DRAWING NO.:

DESIGN ENGINEERING — S. C. SUMMER NUCLEAR STATION JENKINSVILLE, S. C.

DRAWN: — CHECKED: LE APPROVAL

SCALE: NO SCALE — IMS-32-005 — 7

DRAWING NUMBER — SHT. NUMBER — REV.