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TOROMONT ENERGY SYSTEMS
JUN 02 2005
AS BUILT
PER

S1	S2	S3	S4	P1	P2	P3	P4	P5	P6	P7	P8
SUCTION SEPARATOR	INTERSTAGE #1 SCRUBBER	INTERSTAGE #2 SCRUBBER	INTERSTAGE #3 SCRUBBER	STAGE #1 SUCTION BOTTLE	STAGE #1 DISCHARGE BOTTLE	STAGE #2 SUCTION BOTTLE	STAGE #2 DISCHARGE BOTTLE	STAGE #3 SUCTION BOTTLE	STAGE #3 DISCHARGE BOTTLE	STAGE #4 SUCTION BOTTLE	STAGE #4 DISCHARGE BOTTLE
42"ø x 84" S/S	30"ø x 72" S/S	24"ø x 66" S/S	18"ø x 60" S/S	30"ø x 60" S/S	24"ø x 72" S/S	24"ø x 38" S/S	24"ø x 38" S/S	18"ø x 36" S/S	20"ø x 38" S/S	14"ø x 36" S/S	16"ø x 36" S/S
215 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	645 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	215 PSIG MAWP @ 350T	645 PSIG MAWP @ 350T	645 PSIG MAWP @ 350T	1292 PSIG MAWP @ 350T
1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE
S/N: 31262S1	S/N: 31262S2	S/N: 31262S3	S/N: 31262S4	S/N: 31262P1	S/N: 31262P2	S/N: 31262P3	S/N: 31262P4	S/N: 31262P5	S/N: 31262P6	S/N: 31262P7	S/N: 31262P8

E1	E2	E3	E4
IC1 COOLER SECTION	IC2 COOLER SECTION	IC3 COOLER SECTION	AC COOLER SECTION
215 PSIG MAWP @ 350/-20T	215 PSIG MAWP @ 350/-20T	645 PSIG MAWP @ 350/-20T	1292 PSIG MAWP @ 350/-20T
1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE	1/16" CORROSION ALLOWANCE

MATERIAL SPECIFICATIONS:

PAINT: OVERALL UNIT: VALSPAR 20-F-34 "WARM GREY".

PRIMER: COMMERCIAL IRON OXIDE NON-LIFTING PRIMER.

PROCESS PIPING: 10% X-RAY - RT2, 1/16" CORROSION ALLOWANCE, SANDBLAST SPOOLS AFTER SUCTION SCREEN.

VESSELS: 10% X-RAY - RT2, 1/16" CORROSION ALLOWANCE, INTERNALLY SANDBLAST SUCTION BOTTLES.

OIL: ESSOLUBE GMAPLUS-40 IN ENGINE & COMPRESSOR FRAME.

GLYCOL: 50% ETHYLENE INHIBITED GLYCOL/WATER SOLUTION IN ENGINE & AUXILIARY JACKET WATER SYSTEMS.

BILL OF MATERIALS: ON SEPARATE SHEET PROVIDED WITH DRAWING.

	TUBING SERVICES	TUBING	FITTINGS
SWEET:	PROCESS	304 (SS)	ZINC PLATED (S)
	UTILITY -CONTACTING PROCESS	304 (SS)	ZINC PLATED (S)
	INSTRUMENT	304 (SS)	ZINC PLATED (S)
	FRAME INTERNALS	316 (SS)	316 (SS)

NOTE #1: SPACER PLATES ARE PROVIDED FOR FUTURE INSTALLATION OF ORIFICE PLATES (IF REQUIRED). STAGES #3&4 ONLY.

NOTE #2: ALL THREADED PIPING ON SCRUBBERS IS SCH. 160.

NOTE #3: VESSELS REGISTERED IN AB ONLY.

NOTE #4: BOLTING ON ALL PROCESS FLANGE CONNECTIONS IS: SA-193-B7 STUDS, SA-194-2H NUTS & 316SS GASKETS.

NOTE #5: ALL AIR INSTRUMENTS TO BE VENTED TO ATMOSPHERE.

NOTE #6: -

GENERAL INFORMATION:

COMPR. FRAME: - ARIEL JGC4/4 - RATED RPM = 1000 - SERIAL NUMBER = F-20135

ENGINE: - CATERPILLAR G3606TAW-LE - RATED 1775 HP @ 1000 RPM - SERIAL NUMBER = 4ZS00447

PANEL: - ALLEN BRADLEY - COMPACTLOGIX - SERIAL NUMBER = 80280

COOLER: - AIR-X-CHANGERS - 156EH-118-24 - SERIAL NUMBER = 054019

CYLINDERS: - THROW #1 - SERIAL NUMBER = C-68147 - THROW #2 - SERIAL NUMBER = C-68146 - THROW #3 - SERIAL NUMBER = C-68144 - THROW #4 - SERIAL NUMBER = C-68145

LEGEND:

PROCESS
UTILITY
PNUEMATIC TUBING
ELECTRIC WIRING
SPACER
SPECTACLE BLIND
SCREEN (CONE STRAINER)
PANEL CONNECTION - PNEUMATIC
PANEL CONNECTION - ELECTRIC
PANEL ALARM / SHUTDOWN
LOCAL MOUNTED INSTRUMENT
PANEL MOUNTED INSTRUMENT
PNEUMATIC TO ELECTRIC
ENGINE CONNECTION

NOTE: SWEET PROCESS GAS

No.	REVISION	DATE	BY
3	AS BUILT	05-30-05	BM
2	REVISE STAGE #2 DISCHARGE EXT. CHOKE TO BE 5/160	03-11-05	BM
1	ISSUED FOR CONSTRUCTION	03-09-05	BM
0	ISSUED FOR APPROVAL	01-19-05	BM

TOROMONT ENERGY SYSTEMS
10121 - BARLOW TRAIL N.E. CALGARY ALBERTA CANADA

TITLE: PROCESS FLOW DIAGRAM CATERPILLAR G3606TAW-LE / ARIEL JGC/4-4 AIR-X-CHANGERS 168-12

CUSTOMER: PARAMOUNT RESOURCES LTD. DELIA SWEET GAS COMPRESSOR LSD: 7-15-32-18 W4M

SCALE: NONE | DATE: 01-19-05 | BY: BM | DATE RELEASED: | RELEASED BY:
STEP # 410 | UNIT # 31262 | DRAWING NO.: 31262-PFLOW | REV. 3

PLOTTED BY: kneal PLOT DATE: Jun 02, 2005 10:12am FILE NAME: M:\31262\Drafting\Flow's\31262PFLOW-3.dwg

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