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PROJECT DESCRIPTION

ONE (1) NATURAL GAS COMPRESSOR PACKAGE
FOR: DEVON CANADA CORPORATION
LOCATION NAME: FERRIER CPF DEEP CUT FEED
LSD: 11-02-39-08 W5M

FABRICATED BY:

ENERFLEX LTD.
CALGARY, ALBERTA, CANADA

TANK CAPACITIES

| | |
|--------------------------------|-------------|
| GLYCOL STORAGE TANK: | 2132 LITERS |
| WASTE OIL STORAGE TANK: | 2132 LITERS |
| ENGINE/COMP. LUBE OIL DAYTANK: | 653 LITERS |
| EJW SURGE TANK: | 220 LITERS |
| AJW SURGE TANK: | 102 LITERS |
| CYLINDER LUBE OIL DAYTANK: | 653 LITERS |
| SEAL POT: | 225 LITERS |

DESIGN CRITERIA & APPLICABLE CODES

| | |
|-----------------------------|---|
| SITE ELEVATION: | 1030m ABOVE MEAN SEA LEVEL |
| BAROMETRIC PRESSURE: | 89.6 KPAA |
| AMBIENT TEMPERATURE: | MAXIMUM 40°C |
| | MINIMUM -40°C |
| WIND SPEED: | MAXIMUM 145 KMPH |
| SEISMIC | ZONE A |
| PROCESS INLET: | DESIGN 7550 KPAG @ 149°C |
| PROCESS FINAL DISCHARGE: | DESIGN 7550 KPAG @ 177°C |
| INSTRUMENT AIR: | MINIMUM PRESSURE 550 KPAG |
| | MAXIMUM PRESSURE 910 KPAG |
| | GALVANIZED PIPE FOR INSTRUMENT AIR HEADER |
| | QUALITY FILTERED/DRY, 60°F MAXIMUM DEW POINT |
| APPLICABLE CODE: | CODE PIPING B31.3 - 2010 |
| | NON-CODE PIPING EFX C01, 1mm CA |
| | VESSEL ASME SECTION VIII |
| | EXCHANGER ASME SECTION VIII |
| | STRUCTURAL CWB |
| | ELECTRICAL CSA |
| REGISTRATION: | VESSEL AB |
| MISCELLANEOUS: | GASKETS CGI TYPE, FLEXITALLIC FLEXICARB, SPIRAL WOUND, |
| 316 WINDINGS AND INNER RING | |
| | BOLTING STUDS - SA-193-B7, NUTS - SA-194-2H |
| | PROCESS PIPE CARBON STEEL |
| | UTILITY PIPE CARBON STEEL |
| | FLANGES RAISED FACE (UNLESS OTHERWISE NOTED) |
| ELECTRICAL: | RIGIT ALUMINUM CONDUIT, (CABLE TRAY FOR MOTOR POWER SUPPLY) |
| SUITABLE FOR USE IN: | CLASS 1, ZONE 2, GROUP 11A, T3 |

POWER REQUIREMENTS

| | | |
|----------------------------------|------------------------|-------------------------|
| CONTROL PANEL: | VOL: 24 VDC | AMPS: NOM: 4.0 MAX: 10 |
| FIRE DETECTION (2): | VOL: 24 VDC | AMPS: NOM: 0.1 MAX: 0.3 |
| LEL DETECTION (2): | VOL: 24 VDC | AMPS: NOM: 0.1 MAX: 0.3 |
| INT. LIGHTS (TBD): | VOL: 120 VAC | AMPS: NOM: TBD MAX: TBD |
| EXT. LIGHTS (2): | VOL: 120 VAC | AMPS: NOM: TBD MAX: TBD |
| COMPRESSOR PRE-LUBE PUMP MOTOR: | VOL: 575 VAC/3 PH/60HZ | 3.75 kW (5 HP) |
| ENGINE OIL HEATER MOTOR: | VOL: 575 VAC/3 PH/60HZ | 0.75 kW (1 HP) |
| ENGINE GLYCOL HEATER MOTOR: | VOL: 575 VAC/3 PH/60HZ | 0.75 kW (1 HP) |
| COMPRESSOR OIL HEATER MOTOR: | VOL: 575 VAC/3 PH/60HZ | 0.75 kW (1 HP) |
| BUILDING EXHAUST FAN MOTORS (5): | VOL: 575 VAC/3 PH/60HZ | 0.373 kW (0.5 HP) |
| AIR COOLED FAN MOTOR (2): | VOL: 575 VAC/3 PH/60HZ | 22.4 kW (30 HP) |
| COMPRESSOR OIL HEATER: | VOL: 575 VAC/3 PH/60HZ | 2.5 kW (3.35 HP) |
| ENGINE OIL HEATER: | VOL: 575 VAC/3 PH/60HZ | 6 kW (8 HP) |
| ENGINE GLYCOL HEATER: | VOL: 575 VAC/3 PH/60HZ | 18 kW (24.1 HP) |
| BUILDING HEATER MOTOR (3): | VOL: 575 VAC/3 PH/60HZ | 0.373 kW (0.5 HP) |
| BUILDING PURGE FAN MOTOR: | VOL: 575 VAC/3 PH/60HZ | 0.373 kW (0.5 HP) |
| VACUUM PUMP MOTOR: | VOL: 575 VAC/3 PH/60HZ | 1.12 kW (1.5 HP) |

SYSTEM CONSUMABLES

| | |
|--------------------------------|--|
| COMPRESSOR CRANKCASE LUBE OIL: | SAE 40, LOW ASH, 258 LITERS (68 GALLONS) |
| COMPRESSOR CYLINDER LUBE OIL: | SAE 40, LOW ASH, TBD LITERS |
| ENGINE CRANKCASE LUBE OIL: | SAE 40, LOW ASH, 708 LITERS |
| GLYCOL: | 50% ETHYLENE INHIBITED GLYCOL/WATER SOLUTION |
| | EJW CAPACITY: 341 LITERS |
| | AJW CAPACITY: 61 LITERS |

DESIGN SPECIFICATION:

ENERFLEX LTD. (EFX) SCOPE OF SUPPLY ON THIS PROJECT CONSISTS OF ONE SKIDDED GAS COMPRESSOR PACKAGE.

PACKAGE CONSISTS OF ONE (1) CATERPILLAR 3606 ENGINE DRIVING AN ARIEL JGD-4 ONE STAGE, SWEET NATURAL GAS COMPRESSOR

| | |
|-----------------|--|
| PRIMER: | -SSPC-SP6/NACE NO. 3, EPOXY |
| PAINT: | -SSPC-SP6/NACE NO. 3 ALIFATIC URETHANE, COLOR: GRAY/BLUE |
| PROCESS PIPING: | -10% RADIOGRAPHIC TESTING |
| | -1.6mm (1/16") CORROSION ALLOWANCE |
| | -NO PWHT |
| | -SSPC-SP6 |
| | -NO PICKLING |
| | -OILED AFTER HYDRO |
| VESSELS: | -10% RADIOGRAPHIC TESTING - RT2 |
| | -1.6mm (1/16") CORROSION ALLOWANCE |
| | -NO PWHT |
| | -SSPC-SP6 |
| | -NO PICKLING |
| | -OILED AFTER HYDRO |

| PROCESS | |
|-------------------------|-------------------------------------|
| TUBING SPECIFICATION | DL74 |
| TUBING MATERIAL | 316SS |
| FITTING MATERIAL | 316SS C/W SS FRONT AND BACK FERRULE |
| TUBING TRAYS | - |
| OD | MINIMUM WALL THICKNESS* |
| 1/4" | 0.035" |
| 3/8" | 0.035" |
| 1/2" | 0.049" |
| 3/4" | 0.065" |
| 1" | 0.083" |
| SPECIAL REQUIREMENT(S): | |
| UTILITY | |
| TUBING SPECIFICATION | DL74 |
| TUBING MATERIAL | 316SS |
| FITTING MATERIAL | 316SS C/W SS FRONT & BACK FERRULE |
| TUBING TRAYS | - |
| OD | MINIMUM WALL THICKNESS* |
| 1/4" | 0.035" |
| 3/8" | 0.035" |
| 1/2" | 0.049" |
| 3/4" | 0.065" |
| 1" | 0.083" |
| SPECIAL REQUIREMENT(S): | |

FINAL
AS BUILT

NAME C.SMITH DATE JAN 02/14

| | | | | | | | | | | | | | | | | | |
|-----|---|------------------------------|-----------|----|-----|-------------------------|-----------|------------------|------------|---|--|--|--------------|------------|---|-----|---|
| | 3 | FINAL AS BUILT | JAN 02/14 | CS | SG | DATE | DEC 10/12 | SCALE | NTS | DEVON CANADA FERRIER CPF DEEP CUT FEED CATERPILLAR G3606LE ARIEL JGD/4-1 SWEET | ENERFLEX Calgary, Alberta, Canada | P & I DIAGRAM PROJECT DESCRIPTION & OVERVIEW | | | | | |
| | 2 | FINAL AS BUILT | NOV 13/13 | AR | SG | DRAWN BY | A.HAMMOND | CHECKED BY | S.GURI | | | | APPROVED BY | B.MINSHULL | | | |
| | 1 | ISSUED FOR CONSTRUCTION | JUL 03/13 | CS | SG | PROJECT MANAGER | | PROJECT ENGINEER | | | | | | | | | |
| | 0 | ISSUED FOR CONSTRUCTION | APR 19/13 | AT | SG | B.MINSHULL | | S.GURI | | | | | | | | | |
| | B | ISSUED FOR HAZOP | MAR 08/13 | AT | SG | CUST PO | | 4100000964 | | | | | | | | | |
| | A | ISSUED FOR CUSTOMER APPROVAL | FEB 15/13 | AT | SG | | | | | | | | | | | | |
| REV | | DESCRIPTION | DATE | BY | APR | APEGGA PERMIT No: P8651 | | | OPER. CODE | WORK ORDER | 31979-02 | DWG NO | 31979-02-099 | SHT | 1 | REV | 3 |