

GENERAL SPECIFICATIONS

PROCESS GAS

Sweet Sour Dew Point: -hydrocarbon water

CUSTOMER SPECIFICATIONS (If yes, specifications must be referenced) exceptions & clar's apply

SITE CONDITIONS

applicable noise spec. 2500 FEET elevation

OPN 10: GENERAL ARRANGEMENT

proposal layout reviewed reference EM GA#

DRIVER Manufacturer: Toshiba Model: OPN 4451

COMPRESSOR Service: 0.4 % H2S 14.98 % CO2

Frames Manufacturer: AREL Model: JGA/2

COOLER

skid mounted off skid/attached to skid remote mounted/not attached

water tubes SA-214 SA-179 SA-214 SA-179

gas tubes SA-214 SA-179 SA-214 SA-179

stress relieve gas headers 1/16" 1/8"

spot radiograph gas header box 100% radiograph gas header box

spot radiograph nozzle butt welds 100% radiograph nozzle butt welds

ultrasonic test gas headers/nozzles d/p-percentage test gas headers/nozzles

solvent service materials cold service materials

point EM standard other

galvanized finish bug screen & hold guard

low noise fan: 94 DBA @ 1m tip speed 11,084 ft/m

Lower: water sections (std) manual set manual (sets)

gas sections: auto (3 sets) auto (1 set)

quality upstream louvers with-downstream manual louvers

fixed turning vanes

OPN 26: ENGINE AIR, EXHAUST, IGNITION, OIL & MISC.

Exhaust: N/A silencer grade res. critical super critical

emission control equipment warm dr. make-up

tip height: exhaust insulation

Ignition: N/A Ationic III no 500 CEC

OPN 28: DRIVE TRAIN

Cooler Drive jackshaft

TOXNSIONAL STUDY

included report req'd

OPN 30: SKID

Type EM Storage Tanks

Concrete Filled

Other

building structural frame-work req'd

lifting lugs

grading

checker plate

OPN 40: PROCESS VESSELS (SCRUBBERS/PULSATON DAMPENERS)

SPECIFICATIONS

Radiography ASME (1) FULL UW-11(a) ASME (2) FULL UW-11(a)(5)(b)

scrubbers pulsaton bottle Rapids (on Process Pipe Nozzles)

Fittings

3000# ANSI 6000# ANSI

flange face flush required

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OPN 52: PIPING SPOOLS (CONT.)

Boiling

sweet SA-194-2H nuts SA-193-B7 studs

SA-194-2H nuts SA-193-B7 studs 304 S.S. spiral wound gaskets

Service Piping Fittings

2000# ANSI 3000# ANSI

screwed socket weld

butt-weld

& over

butt-weld

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OPN 80: FINANCIAL, SHIPPING & FREIGHT

SHIPPING

Loading extra freight allowance to site

Long term storage requirements EM preservation procedure

SPARE PARTS & SERVICE

Branch Franco Grande Prairie (403) 539-5974

Fort St. John (604) 785-1171

Red Deer (403) 341-3900

Calgary (403) 256-1900

Edmonton (403) 465-5371

Atlas Franco Toronto (416) 752-7150

Contact Branch Manager for service & parts

OPN 82: RUN TEST & INSPECTION

engine drive EM std. no load

customer procedure applies

hold point

sound readings req'd

vibration readings req'd

calibration of instruments req'd

continuity test all instruments

electric pretest pump to be energized

cooler motor to be energized

control panel

INSPECTION - See EM Project Inspection & Test Plan

DOCUMENTATION

multiple units 4 per unit

no qty

no calibration sheets

no electric certificates of compliance

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

no

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no

no

OPN 74: CRANE

CONTROL PANEL

control panel

junction boxes

instrumentation classification

intrinsically safe

XP

classification

located on skid

off skid

required or skid

IS

XP

wire directly into panel

integral oil tanks in crane rail

OPN 74: CRANE

yes

no

1/2 ton jib

gapped bridge

or hoist

gapped trolley

electric hoist

no

3 ton

or hoist

no

no

no

no

no

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OPN 84: DOCUMENTATION & DRAWINGS

DRAWINGS

drawings

metric units

PROJECT CONTACT LIST

Customer Rod Pirt

Consultant Ben Sivkora

EM Project Manager Trevor Seitz

EM Applications Engineer Richard Spinks

EM Sales Representative Jogi Singh

Vendor Energy Inc (403) 231-6700

Resource Development VISTA PROJECTS (403) 285-2192

Project Manager Project Manager

Application Technician Empire Manufacturing (403) 236-6667

General Sales Manager Empire Manufacturing (403) 236-6667

Customer consultant

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OPN 84: DOCUMENTATION & DRAWINGS

DOCUMENTATION

multiple units 4 per unit

no qty

PROJECT CONTACT LIST

Customer Rod Pirt

Consultant Ben Sivkora

EM Project Manager Trevor Seitz

EM Applications Engineer Richard Spinks