

Project Data List Work Orders 08185

December-5-19

60"ID x 20'S/S Horizontal Vessel Only

GENERAL DESCRIPTION

Quantity	Description
1	<p>3-Phase Bare Separator</p> <ul style="list-style-type: none"> • 60" ID x 20' S/S, 740 PSIG MAWP separator • Full Radiography • Dressed 3 phase • FCA: Innisfail, Alberta

1.0 VESSEL - SEPARATOR

1.1 GENERAL DESCRIPTION

- 60" ID x 20' SM/SM
- 3 Phase Horizontal design
- 740-PSIG MAWP
- RT-1 (Full) Radiography – long seam and circ seams full
- Post Weld Heat Treat – 1125°F +/-25°F for 85min min
- 100°F Design Temperature
- ASME Code Designed and Registered for Alberta, British Columbia & Saskatchewan
- M.D.M.T. -20°F @ 740 PSIG
- 1/8" C.A.
- 4" thick x 14" Diameter 9 lb³ft Mistex 316 SS removable – *Quantity 2*
- (1) Nameplate and Bracket
- (2) Saddle Supports
- ABSA Inspected
- Internal Weir
- (2) Vortex Breakers
- Shell: SA-516-70N
- Heads: SA-516-70N
- Flanges: SA-105
- Pipe: SA-106-B

1.2 VESSEL CONNECTIONS

N1	Inlet :	8"	NPS	300#	RF	Flange w/ deflector
N2	Gas Outlet :	8"	NPS	300#	RF	Flange w/ mesh pads
N3	Oil Outlet :	2"	NPS	300#	RF	Flange w/ vortex breaker
N4	Water Outlet :	2"	NPS	300#	RF	Flange w/ vortex breaker
N5	Pressure Indicator :	2"	NPS	300#	RF	Flange
N6	Temperature Indicator :	2"	NPS	300#	RF	Flange
N7	Pressure Relief :	3"	NPS	300#	RF	Flange
N8	High Level Shutdown :	4"	NPS	300#	RF	Flange
N9	Oil Level Control :	3"	NPS	300#	RF	Flange
N10	Water Level Control :	3"	NPS	300#	RF	Flange
N11	Drain :	3"	NPS	300#	RF	Flange
N12a	Water Level Gauge High :	2"	NPS	300#	RF	Flange
N12b	Water Level Gauge Low :	2"	NPS	300#	RF	Flange
N13a	Oil Level Gauge High :	2"	NPS	300#	RF	Flange
N13b	Oil Level Gauge Low :	2"	NPS	300#	RF	Flange
M1	Manway :	20"	NPS	300#	RF	Flange

2.0 PACKAGE MATERIALS

Vessel V-201

Heads:	SA-516-70N
Shell:	SA-516-70N
Saddles:	SA-516-70N
Pipe:	SA-106-B SMLS
Flanges:	SA-105N

3.0 TESTING / POST WELD HEAT TREAT (PWHT)

Hydro-Testing:

Pressure Vessels:	As per ASME Section VIII Div. 1
Pressure Piping:	As per B31.3

Radiography:

Pressure Vessel:	Full as per UW-11(a)
------------------	----------------------

PWHT:

Pressure Vessel:	Yes
------------------	-----