

**LRE - EXTERNAL INSPECTION~LRE - EXTERNAL AFTERCOOLER
 INSPECTION - NB41344 - 02-12-058-23W4 - 133678_94bb6fc4-c5ab-4224-
 b50b-703ce06e3a78_149854b2-f0bb-482b-9d22-e73998308f46.jpg**

Sequence Number	2021189
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DISPATCH INSTRUCTIONS

Dispatched - Field Name	
Dispatched - Equipment Surface Location	
Dispatched - Package Number	
Dispatched - Equipment Number	
Dispatched - Equipment Description	
Dispatched - Equipment Serial Number	

INSPECTION HISTORY

Previous Report Documents	
Inspection Planning Document	

INSPECTION TYPE

Inspection Type	Regulatory Inspection
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EQUIPMENT SELECTOR

EQUIP SELECTOR	483121
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Open Tube Section

Yes/No/NA	No
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Open Channel Section

Yes/No/NA	No
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LOCATION DETAILS

District	CENTRAL - AB
Field	REDWATER NORTH
Facility	REDWATER NORTH
Surface Location	02-12-058-23W4
Skid Number	PKG54928

EQUIPMENT DETAILS

COVER PAGE IMAGE	
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Vessel Name	INLET SEPARATOR
Orientation	Horizontal
Manway	Yes
Operating Status	In Service

REGULATORY NUMBERS

Provincial Designator	A
Equipment Number	483121
CRN Number	P5114.21
Serial Number	01-C5404-3000
Manufacturer	HANOVER MALONEY
Year Built	2002

NAMEPLATE DATA

MDMT	-40 F
Corrosion Allowance	0.125 Inch
RT	RT1
Heat Treated	Yes
Joint Efficiency	-
Code Parameters	Sec VIII, Div.1

SHELL MAWP

Shell MAWP	1445 psi
Shell MAWP Units	
Shell Design Temperature	125 F
Shell Design Temp Units	

TUBE MAWP

Tube MAWP	
Tube MAWP Units	
Tube Design Temperature	
Tube Design Temp Units	

SHELL DIMENSIONAL DETAILS

Outside Diameter	65 Inch
OD Units	
Overall Length	230 Inch
Length Units	

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HEAD DIMENSIONAL DETAILS

Head Material Type	SA-516-70N
Head Thickness	2.4 Inch
Head Thickness Units	

SHELL DIMENSIONAL DETAILS

Shell Material Type	SA-516-70N
Shell Nominal Thickness	2.5 Inch
Shell Thickness Units	

TUBE DIMENSIONAL DETAILS

Tube Material Type	
Tube Wall Thickness	
Tube Thickness Units	
Tube Outside Diameter	
Tube OD Units	
Tube Length	
Tube Length Units	

CHANNEL DIMENSIONAL DETAILS

Channel Material Type	
Channel Nominal Thickness	
Channel Thickness Units	

SHELL OPERATING CONDITIONS

Shell Service Conditions	Sweet
Shell Operating Pressure	10 psi
Shell Op Pressure	psi
Shell Operating Temperature	~15
Shell Op Temp Units	°C

TUBE OPERATING CONDITIONS

Tube Service Conditions	
Tube Operating Pressure	
Tube Op Pressure Unit	
Tube Operating Temperature	
Tube Op Temp Units	

PSV SELECTOR

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PSV SELECTOR	P133181
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PSV DETAILS

PSV Tag Number	P133181
PSV Manufacturer	FARRIS
PSV Serial Number	873650-2-A14
PSV Model	26JA10L-120
PSV CRN	OG8442.5R2CL
PSV Code Stamp	UV

PSV PRESSURE

PSV Set Pressure	175
PSV Set Pressure Units	psi
PSV Capacity	491
PSV Capacity Units	USGPM

PSV SIZE

Inlet Size	2.0
Outlet Size	3.0

PSV SERVICE DETAILS

Service Company	FARRIS
Service Date	01/01/2017

PSV SERVICE INTERVAL

PSV Interval	60
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Open PSV 2

open PSV	No
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PSV SELECTOR

PSV SELECTOR	
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PSV DETAILS

PSV Tag Number	
PSV Manufacturer	
PSV Serial Number	
PSV Model	
PSV CRN	
PSV Code Stamp	

PSV PRESSURE

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PSV Set Pressure	
PSV Set Pressure Units	
PSV Capacity	
PSV Capacity Units	

PSV SIZE

Inlet Size	
Outlet Size	

PSV SERVICE DETAILS

Service Company	
Service Date	

PSV SERVICE INTERVAL

PSV Interval	
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INSULATION

Insulation condition	Good
Insulation comments	Cladding is in good overall condition, bands are secure with no signs of moisture egress.

EXTERNAL CONDITION

External condition	Good
External condition comments	Visible portions of external coating are in good condition, appear to be well bonded with no significant damage noted. Surface condition of vessel outside of skid could not be assessed due to cladding.

LEAKAGE

Leakage condition	Good
Leakage selector	No leakage observed.
Leakage condition comments	No leakage observed.

SKIRT / SADDLE

Skirt / saddle condition	Good
Skirt saddle selector	Saddle is structurally sound, attached to sub structure. Saddle to equipment welds appear sound, no leaks or other defects noted.
Skirt saddle condition comments	Saddle is structurally sound, attached to sub structure. Saddle to equipment welds appear sound, no leaks or other defects noted. Attachment of saddle to vessel outside of building could not be assessed due to cladding. Vessel is grounded through skid and associated piping.

ANCHOR BOLTS

Anchor bolts condition	Good
Anchor bolts condition comments	N/A

CONCRETE FOUNDATION

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Concrete foundation condition	N/A
Concrete condition comments	N/A - Skid is situated on steel piles

LADDER / PLATFORM

Ladder / platform condition	N/A
Ladder selector	N/A – there is no ladder or platform associated with this piece of equipment.
Ladder platform condition comments	N/A – there is no ladder or platform associated with this piece of equipment.

NOZZLES

Nozzles condition	Fair
Nozzle selector	-
Nozzles condition comments	Some degradation of coating noted with minor external corrosion visible on nuts and studs. Recommend refreshing coating to prevent further degradation.

GAUGES

Gauge condition	Good
Gauge condition comments	Gauges are in good condition, suitable for the current operating conditions.

EXTERNAL PIPING

External piping condition	Fair
External piping selector	Painted piping is well supported with no significant deflection or pipe strain noted. Coating has begun to fail resulting in minor surface corrosion. External coating should be refreshed to prevent further degradation.
External piping condition comments	Painted piping is well supported with no significant deflection or pipe strain noted. Coating has begun to fail resulting in minor surface corrosion. External coating should be refreshed to prevent further degradation.

VALVES

Valving condition	Good
Valving selector	Valves are leak free and properly supported.
Valving condition comments	Valves are leak free and properly supported.

PSV

PSV condition	Good
PSV condition comments	PSV set pressure is at or below the MAWP of the equipment it is protecting, is aligned in a vertical plane, has correct code stamping, properly sealed and has been serviced within required service intervals. The outlet piping is sized correctly and discharges to a safe location. No service tag present from PSV install. Mfg date of PSV 01/01/2017.

NDE METHODS

NDE methods condition	Good
NDE condition comments	Reference most recent NDE reports in the Abadata Database.

OTHER

Other Observations:	-
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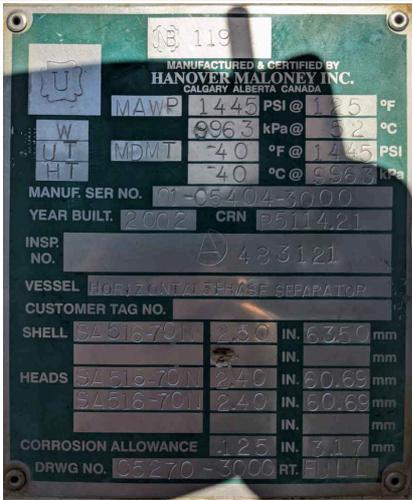
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Other condition comments	Manway davit arm is ported for grease nipple but none installed. Recommend installing grease nipple and lubricating rotation mechanism. Eye bolt is double nutted.
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OVERVIEW IMAGES

Lease Sign	
Lease Sign Description	Lease Sign
Site Overview	
Site Overview Description	Site Overview

IMAGES

IMAGE	
DESCRIPTION	Name plate

IMAGES (1)

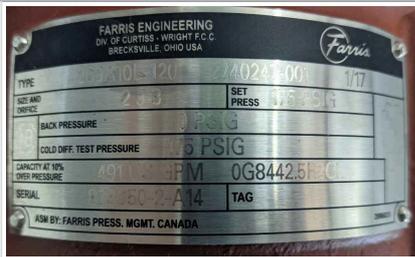
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IMAGE	
DESCRIPTION	Overview

IMAGES (2)

IMAGE	
DESCRIPTION	PSV

IMAGES (3)

IMAGE	
DESCRIPTION	PSV name plate

IMAGES (4)

IMAGE	
DESCRIPTION	PSV tag

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IMAGES (5)

IMAGE	
DESCRIPTION	Manway - 24" ANSI 600

IMAGES (6)

IMAGE	
DESCRIPTION	Double nutting on manway

IMAGES (7)

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IMAGE	
DESCRIPTION	Davit arm rotating mechanism - no grease nipple installed

IMAGES (8)

IMAGE	
DESCRIPTION	Vessel support

IMAGES (9)

IMAGE	
DESCRIPTION	Minor surface corrosion on nozzle studs/nuts

IMAGES (10)

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IMAGE	
DESCRIPTION	Piping with minor surface degradation

IMAGES (11)

IMAGE	
DESCRIPTION	Ground attachment point

IMAGES (12)

IMAGE	
DESCRIPTION	Sight glass with protection

CERTIFICATION

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Inspector	Edgar Glenn Allen
Date	2021-10-14
Signature	
CERTIFICATION	ABSA ISI #00380