

**STATIC EQUIPMENT INSPECTION REPORT - Exhibit # 300a**

**COMPANY:** Tourmaline **E-TEGRITY JOB #:** \_\_\_\_\_

District: Mulligan / Earring Facility: 5-14 Lsd 05-14-082-08W6M Skid: Inlet building 2

Item Insp.: Inlet Separator

**VESSEL DATA**

Equip#: \_\_\_\_\_ Serial #: P8078.01 ABSA#: 0642464 CRN #: K6964.1

Manuf: Access Manufacturing Code/Div.: 8 div 1 Para: \_\_\_\_\_ Code Stamp: \_\_\_\_\_

Yr. Built: 2008 Size: \_\_\_\_\_  Actual  Est. Insulated: No

Service: Sour PWHT: HT R.T.: 1 Repairs: No

**Nominal Thickness & Material**

Top Head: 0.5" Material: SA 516-70 C.A. 0.125" Reasons: \_\_\_\_\_

Bottom Head: \_\_\_\_\_

Shell: 0.5" SA 516-70 0.125" Status:  IN SERVICE

Shell: \_\_\_\_\_  OUT OF SERVICE

Tube: \_\_\_\_\_ Manway Yes

**Reason for Inspection**

PLANNED - IN SERVICE

PROBLEM INVESTIGATION

PROCESS CHANGE

COMMISSIONING

Operating Pres: 70 psi Operating Temp: 20 f

MAWP Shell: 285  Psi  kPa Temp: 100  F  C

MAWP Tube: \_\_\_\_\_  Psi  kPa Temp: \_\_\_\_\_  F  C

Comments: \_\_\_\_\_

**PSV INFORMATION**

Location: \_\_\_\_\_  S \_\_\_\_\_  S **S = SHELL SIDE**

Manufacturer: Taylor \_\_\_\_\_  T \_\_\_\_\_  T **T = TUBE SIDE**

Serial #: 013284-35 \_\_\_\_\_  P \_\_\_\_\_  P **P = PIPING**

PSV #: UVL 19966F

CRN: 0G01316.2C

Model: 83K7721341

Set Press: 285 psi

Capacity: 9528 scfm

Code Stamp: UV

Inlet Size (mm): 3"

Outlet Size (mm): 3"

Conn Type (F/T): F/F

Serviced By: Unified valve

Last Service Date: 2/28/2012

Inlet Isolation valves sealed open:

YES  NO  N/A

Outlet Isolation valves sealed open:

YES  NO  N/A

Inspection Requested By: Colin Shaver

Inspection Date: Nov 4, 2015

Inspection Performed By: Josh Wierenga

Certification # 000854

Chief Inspector: Terry McConnell

Certification #: 000049

# EXTERNAL VISUAL INSPECTION

## Remedial Action

- No Action Required
- Paint Repairs
- Repair Weld - S.R.
- Repair Weld - No S.R.
- Grind Out
- See Comments

## Access & Coverage

- Poor Cleaning
- Partial Int. Inspection
- External Inspection
- NDE Inspection
- M  UT
- R  BH
- PT  Other \_\_\_\_\_

## Other

- See Comments
- Ground Cable  N
- Ladders/Handrail/Walkway Damage
- Nameplate Secure  N
- Nameplate Legible  N
- See Attached Pictures

## Shell

TOP  
 BOTTOM

- Good Condition
- External Corr.
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered
- N/A Insulated

## Nozzles

- Good Condition
- Cracked
- Scaled
- Plugged
- Poor Welding
- Leaking
- Seal Face Corrosion
- Bolts Missing/Loose/Damage
- Partial Int. Inspection

## External Protection

- Good Condition
- Fireproofing Cracked
- Insulation Damaged
- Paint Deteriorated
- Corrosion Under Insulation (CUI)
- Asbestos  YES  NO
- Insulated  YES  NO

## Welds

- Good Condition
- Corroded
- Cracked
- Broken
- Poor Quality

## Supports

- Good Condition
- Distorted
- Cracked
- Broken
- Poor Installation
- Bolts Missing/Loose/Damaged
- Support Ring Damaged
- N/A

## Heads

TOP  
 NORTH  
 WEST

- Good Condition
- External Corrosion
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered

## Heads

BTM  
 SOUTH  
 EAST

- Good Condition
- External Corrosion
- Pitted - Light
- Pitted - Severe
- Scaled - Light
- Scaled - Heavy
- Blistered

## Pressure Gauge

- Glass Intact  YES  NO
- Within Operating Limits  YES  NO
- Obvious Leaks  YES  NO

## Vessel Repad

- N/A
- Vent Holes  1  2
- Plugged  YES  NO

## PIPING - PSV

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

## PIPING - INLET

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

## PIPING - OUTLET/DRAIN

- Good Condition
- External Corrosion
- Pitted
- Supported
- Welded
- Threaded Fittings
- Deadlegs

# EXTERNAL VISUAL INSPECTION

## OBSERVATIONS:

- Vessel is in Good Condition
- API 510 External Inspection confirmed the equipment is fit for continued service
- NOT FIT FOR SERVICE, DETAILS BELOW

Vessel is in good condition  
Vessel was stamped by ABSA earlier this year.

Inspection comments:  
Service PSV. No other concerns noted.

Inspection interval  
Grade 1 set at 3 years  
JA 02/04/2016

## RECOMMENDATIONS:

Service PSV

PICTURES:

