

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

COMPANY: TRIDENT SIGMA JOB #: \_\_\_\_\_

District: CORBETT Facility: \_\_\_\_\_ Lsd: 15-10-626WS Skid: TEC 2187

Item Insp.: FILTER

**VESSEL DATA**

Equip#: \_\_\_\_\_ Serial #: 054468-114 ABSA#: \_\_\_\_\_ CRN #: \_\_\_\_\_

Manuf: \_\_\_\_\_ Code/Div.: \_\_\_\_\_ Para: \_\_\_\_\_ Code Stamp: \_\_\_\_\_

Yr. Built: \_\_\_\_\_ Size: \_\_\_\_\_  Actual  Est. Insulated: \_\_\_\_\_

Service: \_\_\_\_\_ PWHT: \_\_\_\_\_ R.T.: \_\_\_\_\_ Repairs: \_\_\_\_\_

**Nominal Thickness & Material**

Head: \_\_\_\_\_ Material: \_\_\_\_\_ C.A. \_\_\_\_\_ Reasons: \_\_\_\_\_

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

Shell: \_\_\_\_\_ Status:  IN SERVICE

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

Channel HD: \_\_\_\_\_ Manway:  YES  NO

Channel SH: \_\_\_\_\_ Reason for Inspection

Boot HD: \_\_\_\_\_  PLANNED - IN SERVICE

Boot SH: \_\_\_\_\_  PROBLEM INVESTIGATION

MAWP Shell: 145  Psi  kPa Temp: 200°  F  C  PROCESS CHANGE

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

Comments \_\_\_\_\_

**PSV INFORMATION**

Location: WEST SIDE UPPER SHELL  S  T  P  S  T  P S = SHELL SIDE

Manufacturer: CONSOLIDATED T = TUBE SIDE

Serial #: TPO/100 P = PIPING

PSV #: /

CRN: 065530.52

Model: 19096LC-2-MT-LA

Set Press: 145 PSI

Capacity: 116.40 LPM WATER

Status: IN SERVICE

Inlet Size (mm): 1.050"

Outlet Size (mm): 1.315"

Conn Type (F/T): T

Serviced By: VAL SEAL

Last Service Date: OCT/07

I/L Isolation valves sealed open:  YES  NO  YES  NO

O/L Isolation valves sealed open:  YES  NO  YES  NO

Comments \_\_\_\_\_

# EXTERNAL VISUAL INSPECTION

SR#  
ABSA#:

054468-114

SIGMA JOB #:

## 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
  - MT  UT
  - RT  BH
  - PT  Other \_\_\_\_\_

## Other

- See Comments
- Ground Cable  Y  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

## Heads

- BTM
- SOUTH
- EAST

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

- 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

Inspection Requested By: \_\_\_\_\_  
 Inspection Performed By: \_\_\_\_\_  
 Chief Inspector: \_\_\_\_\_

Inspection Date: \_\_\_\_\_  
 Certification #: \_\_\_\_\_  
 Certification #: \_\_\_\_\_

**EXTERNAL VISUAL INSPECTION**

SERIAL  
ABSA #: 054468-114 SIGMA JOB#: \_\_\_\_\_

**SUMMARY OBSERVATIONS (128 Character max.):**

VESSEL IN GOOD CONDITION.

**SUMMARY RECOMMENDATIONS (128 Character max.):**

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

**DETAILED OBSERVATIONS (Memo Field):**

**DETAILED RECOMMENDATIONS (Memo Field):**