

## STATIC EQUIPMENT INSPECTION REPORT - Exhibit # 300

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

District: CORBETT Facility: \_\_\_\_\_ Lsd 15-10-62-6WS Skid: TEC 2187

Item Insp.: FUEL GAS SCRUBBER

**VESSEL DATA**

Equip#: \_\_\_\_\_ Serial #: 054468-108 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: <input checked="" type="checkbox"/> IN SERVICE
Shell: _____	_____	_____			<input type="checkbox"/> OUT OF SERVICE
Channel HD: _____	_____	_____			Manway: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
Channel SH: _____	_____	_____			<b>Reason for Inspection</b>
Boot HD: _____	_____	_____			<input checked="" type="checkbox"/> PLANNED - IN SERVICE
Boot SH: _____	_____	_____			<input type="checkbox"/> PROBLEM INVESTIGATION
MAWP Shell: <u>250</u> <input checked="" type="checkbox"/> Psi <input type="checkbox"/> kPa		Temp: <u>150°</u> <input checked="" type="checkbox"/> F <input type="checkbox"/> C			<input type="checkbox"/> PROCESS CHANGE
MAWP Tube: _____ <input type="checkbox"/> Psi <input type="checkbox"/> kPa		Temp: _____ <input type="checkbox"/> F <input type="checkbox"/> C			<input type="checkbox"/> COMMISSIONING

Comments \_\_\_\_\_

**PSV INFORMATION**

Location: ABOVE VESSEL  S  T  P \_\_\_\_\_  S  T  P **S = SHELL SIDE**  
 Manufacturer: CONSOLIDATED \_\_\_\_\_ **T = TUBE SIDE**  
 Serial #: TPO2607 \_\_\_\_\_ **P = PIPING**  
 PSV #: / \_\_\_\_\_  
 CRN: 065530.52 \_\_\_\_\_  
 Model: 193576C-2FT-56 \_\_\_\_\_  
 Set Press: 250 PSI \_\_\_\_\_  
 Capacity: 2679 m3/HR \_\_\_\_\_  
 Status: IN SERVICE \_\_\_\_\_  
 Inlet Size (mm): 1.900 \_\_\_\_\_  
 Outlet Size (mm): 2.375 \_\_\_\_\_  
 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**

*SER#*  
ABSA#:

054468-108

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

- 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

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

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

**EXTERNAL VISUAL INSPECTION**

SER#  
ABSA #: 054468-108 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):**