

STATIC EQUIPMENT INSPECTION REPORT - Exhibit # 300

COMPANY: TRIDENT SIGMA JOB #: _____

District: CORBETT Facility: _____ Lsd 15-10-62645 Skid: TCC 2187

Item Insp.: REFRIGERANT SUBCOOLER

VESSEL DATA

Equip#: _____ Serial #: _____ ABSA#: 537287 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: _____	_____	_____	Reason for Inspection
Boot HD: _____	_____	_____	<input type="checkbox"/> PLANNED - IN SERVICE
Boot SH: _____	_____	_____	<input type="checkbox"/> PROBLEM INVESTIGATION
MAWP Shell: <u>1300</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: TOP OF COOLER S T P S T P **S = SHELL SIDE**
 Manufacturer: CONSOLIDATED **T = TUBE SIDE**
 Serial #: TP 12155 **P = PIPING**
 PSV #: 1
 CRN: 065530.52
 Model: 1905LC
 Set Press: 250 PSI
 Capacity: 24245 m3/HR
 Status: IN SERVICE
 Inlet Size (mm): 3.5"
 Outlet Size (mm): 4.5"
 Conn Type (F/T): T
 Serviced By: VAIS GAL
 Last Service Date: DEC 10 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

ABSA#: 537287

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

ABSA #: 537287 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):