

Client:	Facility: yard	Date: Sept 30, 2019
LSD:	Ref. Code: ASME VIII Div.1	Job #: 8528
Item(s) Inspected: Horizontal Separator	Surf. Prep: None	WO #: N/A
Material: Carbon Steel	Thickness: 57.2mm	Surf. Temp: 5° C

Job Scope: To perform a limited external visual inspection on the described vessel.

Inspector's Notes: This vessel has been out of service for several years, therefore a fitness for service level could not be determined without extensive re-furbishing and an Internal Visual Inspection.

Horizontal Separator A# 0444877



Results:

Main concerns found on during this inspection are as follows...

- All piping spool and nozzle connections require disconnecting, cleaning, inspection, and new gaskets.
- Many studs and nuts are missing or loose throughout the skid package.
- Some nozzles are open and not blinded, allowing the weather and elements to enter the vessel.
- The piping and floor plates on this skid have very little well-bonded paint, therefore the floor and piping have begun to corrode. The floor and piping would all require sandblasting and repainting.
- The paint on the shell of the vessel is also in poor condition with many areas flaking and chipping and starting to corrode, re-painting this vessel is recommended.
- Some 2" 90° elbows on the drain piping were found to have internal corrosion and pitting with wall loss up to 55%.
- See UTS Report # **UTS_A0444877_sep2019** for all thickness measurements and locations.
- The PSV's for this vessel are sitting on the floor of the skid and have service tags from 2005 on them, they require full inspection and testing to see if they are still serviceable.
- The manway-end head is partially insulated on the exterior portion. This insulation has been dented and crushed in areas and no longer retains a watertight seal.
- The Fuel Gas Scrubber in this Skid has no Data Plate / Name Plate, it appears to have been removed, a UT survey was completed on it as well, see the above-mentioned report.
- Additional inspection photos are on attached pages...

Technician(s): Lance Smith (CGSB MT-2, UT-2, PT-2 #8052) API 510 #28860 (SNT-TC-1A MT-II, UT-II, PT-II)
Assistant(s):
Client Representative:

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Horizontal Separator A# 0444877



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Supports



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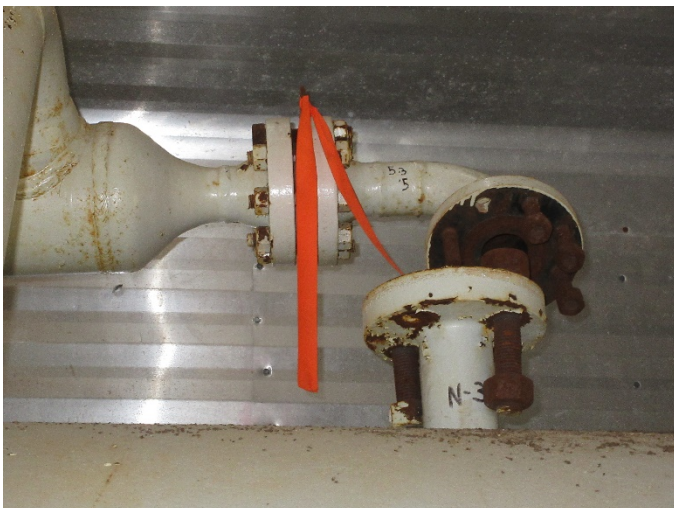


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Piping & Connections



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PSV's



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Paint Condition



Fuel Gas Scrubber



Support and Paint Condition



Missing Data Plate



Missing PSV

