

PRESSURE VESSEL & COLUMN INSPECTION REPORT

LSD 07-27-51-19W5 Date June 19, 2018 SAP Equipment ID 66130683 Report #20180619GGb

VESSEL STATIC DATA									
Plant Ansell Plant 2				Op Unit			System		
Prov. Insp. # A0571635 NB#				CRN U0833.2			Equip Tag # V-800		
Equipment Description PLANT 2 NGL BULLET							Serial # H0700289		
Manufacturer Trinity Industries de Mexico							Vessel Class		
Internal Access YES NO Description							Year Built 2007		
MAWP 250		kPa / PSI		@ 125		°C / °F		MDMT -20 °C / °F	
CODE UM U U2				RT 1 2 3 4				PWHT NO	
Diameter 131.875" OD		Length (T/T)		mm/in		OAL 1080.875 in		Vertical Horizontal	
Shell Mat'I SA-516-70N		Thickness		0.828 in		Corr Allowance		mm / in	
Head Mat'I SA-516-70N		Thickness		0.487 in		Corr Allowance		mm / in	
Nozzle Mat'I		Thickness		mm / in		Corr Allowance		mm / in	
Internal Coating: YES NO				Internal Clad YES NO				Capacity m ³	
Manway YES NO				Inspection Port YES NO				Skirt Legs Saddle	
Nozzle Rating 150		lb ANSI		Painted YES NO		Insulated YES NO			
PROCESS DATA									
Product Description NGL				Sweet			Sour		
Operating Pressure 70				kPa / psi			Operating Temperature 60 °C / °F		
PROTECTED BY PRD or OPPSD									
PRD STATIC DATA									
Serial No.	Location	Set Pressure	Capacity SCFM / Lbs/Hr / GPM	Manufacturer	Model / Type	Last Service Date & Company			
C06-38617	EAST SIDE ON TOP	227 PSI	44863 scfm	CROSBY	26310-46/S1	JUNE 2018			
PRD DETAILS									
	Type (Thread/Flange)			ANSI Rating			Size (mm)		
PRD Inlet									
PRD Outlet									

INSPECTION SUMMARY

Vessel is fit for further service.

A visual internal inspection was completed on this bullet during the June 2018 outage. The bullet was cleaned prior to opening the manway. The returns to the truck were clean from the start. The bullet was then opened and a inspection was completed from the manway to determine the how clean it was. There were no signs of solids in the bullet. The vessel was then cleaned internal before inspection. During the internal inspection no corrosion or erosion was noted. The bullet is like brand new inside. No concerns.

A visual external inspection was completed on this bullet during the June 2018 outage. Dataplate secure and legible. A# stamped in vessel shell above d/p. Vessel and piping are in good condition, piping well supported. Paint in good condition, no significant deterioration noted. Ground cable securely attached directly to saddle support.

PAUT was completed in April of 2018 no indications were noted.

RECOMMENDATIONS

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NONCONFORMANCES / INSPECTION DEFICIENCIES

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INSPECTION PLANNING

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Inspection Strategy	Availability	Inspection Interval
Inspection Date June 19, 2018	Date of Last Inspect	Date of Next Inspect June 2028

REPORT CERTIFICATION

The signatures below certify that inspections/tests have been completed in accordance with the identified inspection strategy and that the specified equipment is considered fit for service until the date of next inspection.

Inspected by	Greg Guenette	Date	June 21, 2018
Company	Husky Energy	IBPV #	334
Reviewed and Approved by	Greg Guenette	API #	47818
		Date	June 21-2018
		IBPV #	334
		API #	47818
Criticality Assessment Rerun		Inspection Planning Rerun	
Optional Rule Group Confirmed		Assessed Next Inspection Date	

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DETAILED INSPECTION VISUAL EXTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)				
V2	General Corrosion	GOOD			
V3	General Leaks	GOOD			NONE NOTED
V4	Vibration				
V5	Dissimilar Flange Rating				
V6	Ladder/Stairway/ Platforms				
V7	Heads	GOOD			
V8	Guy Wires				
V9	Electrical Ground	GOOD			
V10	Painted Inactive Corrosion	GOOD			
V11	Coating/Painting	GOOD			
V12	Expansion Joint or Bellows				
V13	Gauge/Site Glass	GOOD			
V14	Shell	GOOD			
V15	Jacket				
V21	Support Other (Please explain)				
V22	Foundation				
V23	Anchor Bolts	GOOD			
V24	Saddle/Skirt	GOOD			
V25	Davit				
V26	Fireproofing				
V31	Connections Other (Please explain)				
V32	Small Branches				
V33	Nozzles	GOOD			
V34	Manways				
V35	Reinforcing Pads				
V36	Inadequate Thread Engagement	GOOD			NO SHORT BOLTING NOTED
V37	Bolting	GOOD			NO SHORT BOLTING NOTED
V38	Flanges	GOOD			
V39	Leak Clamps				
V41	Insulation Other (Please explain)				
V42	Damage				
V43	Penetrations				
V44	Insulation Jacket				
V45	Banding				
V46	Seals/Joints				
V51	Relief Devices Other (Please explain)	GOOD			PSV'S REMOVED AT TIME OF SERVICING. SERVICE REPORTS WILL BE REVIEWED IN 2018
V52	Corrosion	GOOD			NONE NOTED
V53	Leaks	GOOD			NONE NOTED
V54	Restricted Inlet/Outlet				
V55	Manual Operation Lever				

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DETAILED INSPECTION VISUAL INTERNAL

ID	Description	Condition	Location	NCR	Comments
V1	General Other (Please Explain)				
V2	Corrosion (depth, length, width)	OK			NONE NOTED
V3	Erosion	OK			NONE NOTED
V4	Distortion	OK			NONE NOTED
V5	Blisters	OK			NONE NOTED
V6	Deposits	OK			NONE NOTED
V7	Heads	OK			ORIGINAL CONSTRUCTION MARKINGS STILL PRESENT
V8	Welds	OK			
V9	Nozzles	OK			
V10	Shell	OK			ORIGINAL CONSTRUCTION MARKINGS STILL PRESENT
V11	Gasket Surfaces				
V21	Internals Other (Please explain)				
V22	Demister				
V23	Baffle/Weir				
V24	Sparger				
V25	Thermowells	OK			
V26	Metallic Linings				
V27	Nonmetallic Linings				
V28	Trays				
V29	Tray Rings				
V30	Other Welded Attachments				

Magnetic Particle Equipment records

Procedure #	Description			
Manufacturer	Model	Serial #	Current Type	Mag Part Type
Lighting	Material + Grade	Thickness	Cal Block SN	Cal Due Date

Liquid Penetrant Equipment records

Procedure #	Description				
Penetrant	Solvent	Developer	Cleaner	Lighting	Material Grade + Thickness

DETAILED INSPECTION OTHER TECHNIQUES

ID	Location	Observation/Measurement	Acceptance Criteria	NCR	Comments
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					

Ultrasonic Equipment records

Procedure #	Description			
Test Unit	Instrument Mfr	Model #	Serial #	Cal Due Date
Probe	Frequency	Probe SN	Probe Diameter	Couplant
Cal Block	Cal Block Size	Cal Block SN	Cal Block Mtl	

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DETAILED INSPECTION UT THICKNESS

CML	Nom. Thk	Current Reading	Short Term Corr Rate	Long Term Corr Rate	Remaining Life	Comments

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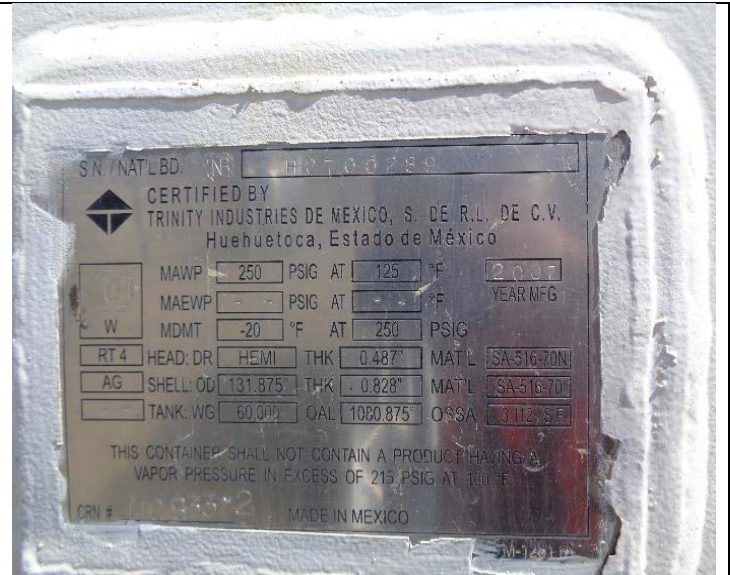
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PHOTOS



A NUMBER



NAMEPLATE