



Tank External Inspection Report

Client:	CNRL	District:	Karr	Date:	15-Apr-2023
Surface LSD:	08-12-66-05 W6M	Downhole LSD:	8-7/1-7-66-4 W6M	Skid #:	N/A
Description:	1000 BBL Emulsion Tank				
Serial #:	G-97-338-83	Equipment #:	C83935	Status:	Operating
MFR:	G.L.M. Tanks & Equipment			Year Built:	1998
Height / Length:	24 ft	Diameter:	17.25 ft	Volume:	1000 BBL
AST / UST:	AST	Single / Double Wall:	Single	Open / Closed:	Closed
External Insulation:	Yes	Internal Coating:	No	# of Courses:	4
Tank Type:	Welded	Manway Present:	Yes	Manway Size	3 ft
Tank Floor Elevated:	Yes	Tank Placement:	Pilings	Interstitial Space:	N/A
Underside Visible:	Yes				
FLOOR:		SHELL:		DECK:	
Material:	SA-36	Material:	SA-36	Material:	SA-36
Nominal:	0.250 in	Nominal:	.250/.1875 in	Nominal:	0.250 in
Comments:	Design Pressure = 6 oz.				
External Inspection					
ITEM:	CONDITION:	ITEM:	CONDITION:		
Tank Nameplate:	Good	Bolting:	Good		
Tank Shell:	Good	Manway:	Good		
Tank Floor:	Good	Anodes:	N/A		
Tank Deck:	Good	Heating System:	N/A		
Insulation:	Good	Overflow Venting:	Good		
Tank Coating:	N/A	Theif Hatch:	N/A		
Leakage:	Good	PVRV:	N/A		
Nozzles:	Good	Interstitial Space Monitor:	N/A		
Foundation:	Good	Piping:	Good		
Ladders / Platforms:	Good	Piping Coating:	Good		
Anchors:	Good	Flanges / Bolting per Code:	Good		
Instrumentation:	N/A	Piping Supports:	Good		
High / Low Level Shutdowns:	Good	Piping Insulation:	Good		
Gauges:	Good	Truck-out Installation:	Good		
<i>* Fair and Poor conditions require comment. Additional comments on page 2 as required.</i>					
External Inspection Comments:	Emulsion Tank in good overall condition. Shell is 100% spray foam insulated - slight surface damage - no exposed metal. Piping in good condition - no deflections. Insulation in good condition - no open or torn sections. Tank base is welded/clamped to steel base structure - no corrosion. Tank sits level. Ladder is securely attached to shell - no corrosion. Tank is fit for service.				
Fit for Service:					
YES					
Secondary Containment Inspection					
Containment Type:	Metal Ring with Liner				
Length:		Width:		Height:	2.5 ft
Item:	Condition:	Comments:			
LINER	Good	No tears			
BERM	N/A				
VEGETATION	N/A				
Inspector:	Garett Tatton API 510 # 99450 AB IPVPP # 001342		Signature:		



Tank Internal Inspection Report

Serial #:	G-97-338-83	Equipment #:	C83935	Inspection Date:	
Internal Inspection					
Item:	Condition:	Comments:			
FLOOR	Fair	Scattered areas of general corrosion.			
FLOOR - Pitting max depth	Good	.020 inch			
ANNULAR RING	Good	No corrosion or mechanical damage.			
SHELL	Good	No corrosion or mechanical damage.			
SHELL - Pitting max depth	Good	No pitting.			
DECK	Good	No corrosion or mechanical damage.			
INTERNAL WELDS	Good	No corrosion or mechanical damage.			
INTERNAL COATING	N/A	Tank internal is not coated.			
NOZZLES	Good	Unobstructed - no corrosion.			
NOZZLES - Pitting max depth	Good	No pitting.			
INTERNAL PIPING	Good	No damage or deflections.			
MANWAY & COVER	Good	Coated - no damage.			
INTERNAL SUPPORTS / GUIDES	Good	Heater tube supports still in place - tubes removed. No corrosion.			
SUMP	N/A				
FIRETUBES	N/A				
FIRETUBES - Pitting max depth	N/A				
HEATING COIL	N/A				
FLOATS	Good	Appears to be in good working order.			
ANODES	N/A				
NDE PERFORMED	Good	Ultrasonic thickness survey to floor and shell.			
Other	N/A				
<i>* Fair and Poor conditions require comment. Additional comments on following pages as required.</i>					
Internal Inspection Summary:	<p>Emulsion Tank internal in good overall condition. Tank floor has scattered areas of general corrosion with pitting up to .020 inch. All weld seams in good condition - no corrosion or pitting. Nozzles were unobstructed with no signs of corrosion. Float is in good condition - wire has no damage. Ultrasonic thickness survey performed on tank floor. Floor nominal is .250 inch with a minimum scan of .240 inch obtained.</p>				
Fit for Service:					
YES					

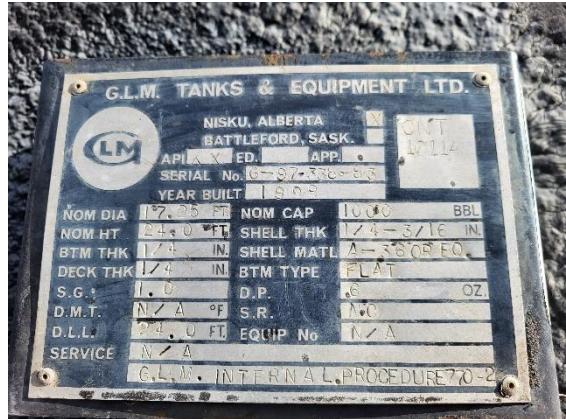


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LSD sign



Tank data plate overview



Tank overview



Tank base overview



base to skid connection



Piling overview



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Insulation condition



Ladder - level gauge overview



Piping overview



Temperature gauge overview



Valve overview



Heating tube covering



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Manway overview



Manway entrance condition



Manway entrance condition



Tank floor overview



Tank deck overview



Side shell overview



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Shell to floor weld seam



Tank floor weld seam



Floor general corrosion .020 inch



Floor general corrosion .010 inch



Heating tube support - tube permanently removed



Tube support weld to shell



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Piping overview



Piping overview



Piping overview



Nozzle overview



Nozzle overview



Float overview