

Location: 10-32-48-2W4 Tank Type: Tank 1 Date: Oct 16, 2015

Mfg: Universal Year blt: 1999 S/N: 99-08-17 10905 CAP: 1000 bbl

Floor Thk: 1/4 Shell Thk: 1/4, 3/16 Roof Thk: 3/16

Requisitioned by: Derek Kopyshinski Approver: Stephanie Doryk Approver Code: 22-2026220

WO #: _____ PO#: 8400988590 CC: _____ SAP #: 62023417
EXTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
GENERAL					
T1	Other (Please Explain)				
T2	Corrosion			✓	
T3	Leaks			✓	
T4	Vibration			✓	
T5	Dissimilar Flange Rating			✓	
T6	Ladder/Stairway	✓	✓		
T7	Platform	✓	✓		
T8	Electrical Ground	✓	✓		
T9	Cathodic Protection			✓	
T10	Painted Inactive Corrosion			✓	
T11	Coating/Painting			✓	
T12	Level Gauge	✓	✓		
T13	Bottom	✓			1
T14	Secondary Containment	✓	✓		
T15	Shell	✓	✓		
T16	Roof	✓	✓		
T17	Agitator/ Mixer			✓	
SUPPORTS					
T31	Other (Please Explain)				
T32	Foundation			✓	
T33	Anchor Bolts			✓	
T34	Windgirders			✓	
CONNECTIONS					
T41	Other (Please explain)				
T42	Small Branches			✓	
T43	Nozzles	✓	✓		
T44	Pipe Manifolds			✓	
T45	Swing Lines			✓	
T46	Manways/Hatches			✓	
T47	Reinforcing Pads			✓	
T48	Inadequate Thread Engagement			✓	
T49	Bolting			✓	
T50	Flanges	✓	✓		
T51	Leak Clamps			✓	
INSULATION					
T61	Other (Please explain)				
T62	Damage	✓			2
T63	Penetrations	✓	✓		
T64	Jacket			✓	
T65	Banding			✓	
T66	Seals/Joints			✓	
RELIEF DEVICE					
T71	Other (Please explain)				
T72	Corrosion			✓	
T73	Leaks			✓	
T74	Restricted Inlet/Outlet			✓	
T75	Manual Operation Lever			✓	

INTERNAL INSPECTION:

ID	Item	Yes	Good	N/A	See Notes
GENERAL					
T1	Other (Please Explain)				
T2	Corrosion	✓			3
T3	Erosion			✓	
T4	Distortion			✓	
T5	Blisters			✓	
T6	Deposits			✓	
T7	Welds	✓	✓		
T8	Nozzles	✓	✓		4.
T9	Shell	✓	✓		
T10	Roof	✓	✓		
T11	Floor	✓	✓		
GENERAL					
T21	Other - Firetube	✓	✓		
T21	Other - Anodes			✓	
T22	Annular Ring			✓	
T23	Sump			✓	
T24	Roof Supports			✓	
T25	Thermowells	✓	✓		
T26	Metallic Linings			✓	
T27	Non Metallic Linings			✓	
T28	Internal Steam Coil / other Piping			✓	
T29	Level Gauge	✓	✓		
T30	Other Welded Attachments			✓	
Backwelding Req'd					

ID	Notes
1	TANK SIT ON PLANKS; INSIDE FULL Containment
2	BOTTOM COARSE MISSING INSULATION. Chewed by Cattle.
3	Rusty / Scale on the Floor AND Shell. Light surface scale.
4	Nozzles HAVE BEEN upgraded TO Sch 160 (both AS-STING nozzles)

Equipment #:

Area:

Cost Centre:

62022460
AN-Marwayne

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Tank Inspection Report

Approver:

STACY Allen

Approver #:

22-0034322

WO#:

4088697

Requisitioned By:

Derek Hoskins

Location:

7-33-53-2 W4

PO#

8400817156

Manufacturer:

GLM

Serial #:

G98-266-S7

Tank Type:

GROUP 2 (TANK 2)

Capacity:

1600661

Thickness:

Floor 1/4" Shell 3/16"

Year Built:

1997

External Inspection

T61	Insulation	GOOD	FAIR	POOR
T64	Cladding	GOOD	FAIR	POOR
T32	Base / Landscaping	GOOD	FAIR	POOR
T14	Liner / Containment	GOOD	FAIR	POOR
T8	Ground Cable	YES	NO	
T6	Ladder/ Stairway	GOOD	FAIR	POOR
T7	Platform	GOOD	FAIR	POOR
T41	Piping Alignment	GOOD	FAIR	POOR
T15	Shell	GOOD	FAIR	POOR
T44	Envirovault	YES	NO	
T16	Roof	GOOD	FAIR	POOR
T11	Paint	GOOD	FAIR	POOR

Good Condition, Large Section missing

N/A

N/A To be Relocated

N/A

Straight Run to Roof, no Rest Stop

N/A Disconnected

NO VAULT.

N/A

Internal Inspection

T11	Floor	GOOD	FAIR	POOR
V9	Shell	GOOD	FAIR	POOR
V10	Roof	GOOD	FAIR	POOR
V28	Firetube	GOOD	FAIR	POOR

Gauges to FILL / Rusty / Scale Buildup

Rusty Scale.

INTERNAL: GOOD BOWED OVALLED

FLANGE LEAKING: YES NO

Replace Tube

V8	Nozzles	GOOD	FAIR	POOR
V7	Welds	GOOD	FAIR	POOR

BACKWELDING REQ'D YES NO

V21	Anodes	GOOD	FAIR	POOR
V27	Coating	GOOD	FAIR	POOR

TYPE: N/A 22/A

Notes & Summary of Recommendations:

Replace Firetube.

6 BACKWELDS ON COILS OR HOTTAPS.

Sting gauges on Floor to FILL.

Floor And Shell Rusty / Scale Surface
but UT Suggest Both Are In
Good Condition For 5 YR Turnaround
As Per Husky UT Requirements.

Inspection Interval Based
on Assumption that
Recommendations
were Completed

Inspection Interval: 5 yr

Entered in RBMI: ☐

Approvals

Inspector

Husky Inspector

Name

Stephen Bayne IRIS NDT

Signature

Stephen Bayne

Date

May 27/2014
JUN 20 2014

IRISNDT

MAGNETIC PARTICLE INSPECTION REPORT

SB382-MT-453

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Procedure: 5.0
Technique: MT-2V
Code: API 650 - Sect 8.2.4
Other:

Client: HUSKY OPERATIONS
IRISNDT #: LYD1501249
Location: 10-32-48-2 W4M, AB
Item Inspected: 1000 BBL TANKS

Date: 16-Oct-15
WO #:
PO #: 8400988590

Surface Condition: Painted ☐ Sandblasted ☐ Machined ☐ As Cast ☐ As Forged ☐ Weldment ☒ Other ☐

Material: P1 Thickness: N/A Heat Treatment: N/A

Magnetizing Equipment: Yoke ☒ Coil ☐ Permanent ☐ IRISNDT #: 40097 Mfg: CONTOUR Calibration Date: 15-Sep-15

Method of Magnetization: AC ☒ DC ☐ Continuous ☒

Blacklight: Y ☐ N/A ☒ IRISNDT #: Verification per ASME V Art 7 T.777.2

Blacklight Meter: IRISNDT #: Calibration Date: - -

Whitelight: Y ☒ N/A ☐ Verification per ASME V Art 7 T.777.1

Magnetic Particles: Dry ☐ Wet ☒ Red ☐ Grey ☐ Black ☒ Fluorescent ☐
Batch #: 1339-124 Mfg: ARDROX Type: 7C

Background: ☒ Batch #: 1364 Mfg: ARDROX Type: 8901W

A wet black magnetic particle inspection was carried out as requested on 100% of new welds on (2)two 1000bbl tanks

TANK 1 S/N# 99.08.17.10905 **62023417**
UPGRADES:(INTERNAL) 4" backweld, 8"backweld.

(EXTERNAL) 4" crossover nozzle& repad, 8" crossover nozzle& repad, (5) five gas line repads.

TANK 2 S/N# 13570-21 **66136014**
UPGRADES:(INTERNAL) 3" backweld, 4"backweld, 4"sting nozzle in vault.

(EXTERNAL) 3" scada nozzle & repad, 4" crossover nozzle& repad, gas line bracket repad.

RESULTS: ACCEPTABLE TO CODE.

REQ: DEREK KOPYSHINSKI
APPROVER: STEPHANIE DORYK 2Z-2026220

Inspection Limitation(s):

Unit#: 767 Kilometers: 40
In: 1330 Out: 1600 Hrs: 2.5
In: Out: Hrs:

Personnel:
STEPHEN BRYAN

Consumables:
MIN

Interpretation by:

STEPHEN BRYAN
(Print)

SNT-TC-1A: 2

C.G.S.B.: 2
(Level)

C.G.S.B. #: 12459

(Signature)
Client Representative:
(Print)

I am in full
agreement with
report contents

(Sign)

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