



DBI, Inc. Quality Inspection and Consulting Services

Reliable...Responsive...Resourceful...Proactive

Williams Field Services

Stewart Dew Point Hickory, PA

7-19-2012

A-Scan Baseline Inspection

Tank No.: T-685

Tank Name: Lube Oil/Drain Tank

P&ID No: STWT-P01-012



DBI Incorporated

Lincoln Nebraska

5330 North 57th.Lincoln NE 68504.Telephone: 402-467-1818 Fax: 402-467-1766

Omaha Nebraska

2211 S. 156th Circle.Omaha NE 68130.Telephone:402-330-9612.Fax: 402-330-9640

Overland Park Kansas

11660 West 90th.Overland Park KS 66214.Telephone: 913-888-2321 Fax: 913-888-2351



Summary Report

Report Reviewed By:

Mitchell Beres

API 653# 42178

Client: Williams Field Services

Location: Stewart Dew Point Hickory, PA

Tank No.: T-685

Tank Name: Lube Oil/Drain Tank

Inspection Date: 7-19-2012

Type of Inspection: A-Scan Baseline Inspection

Note: An A-Scan baseline inspection was performed on the T-685 Lube Oil/Drain Tank. The T-685 Lube Oil/Drain Tank has a remaining service life of 20+ years.

NEXT UT INSPECTION: 7/18/2017

NEXT VISUAL INSPECTION: 7/18/2017

	T-MIN.	T-MAX.	Remaining Life	Corrosion Rate
	(Recorded)	(Recorded)	(Years)	(Mils Per Year)
			(API 653 6.3.2)	(API 653 3.9)
			(API 575)	(API 575)
Shell Course No. 1	0.181	0.183	20+	<1 mil
Shell Course No. 2	0.181	0.182	20+	<1 mil
Roof	0.176	0.179	20+	<1 mil



Client: Williams Field Services

Location: Stewart Dew Point Hickory, PA

Tank No.: T-685

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Tank Data

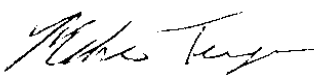
Construction Date:	10/08	Tank Configuration:	Vertical
In-Service Date:	10/08	Shell Diameter:	9'- 6"
Manufacturer:	Unknown	Shell Height:	8'
Mfg. Serial #:	47984	Max. Design Liquid Level:	Unknown
Issue Date of API-650:	N/A	Product:	Lube Oil
Tank Insulated:	No	Specific Gravity:	Unknown
Openings in Insulation:	N/A	Capacity:	Unknown
Design Temperature:	100 F	Operating Temperature:	80 F
No. of Shell Courses:	2	No. of Nozzles:	8
Type of Roof:	Cone	Coating Thickness:	N/A
Name Plate Condition:	Good condition	Joint Efficiency:	.70



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STORAGE TANK EXTERNAL INSPECTION

Client: Williams Field Services Date Inspected: 7-19-2012
Location: Stewart Dew Point Hickory, PA Inspector(s): Mike Troyer
Tank No.: T-685
Tank Name: Lube Oil/Drain Tank Signature: 

NAME PLATE

Item Inspected	Yes	No	NA = Not Applicable	Comments:
Name Plate present & legible	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
API Code Stamp #	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Manufacturer	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unknown
Serial # & Year Built	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	47984/ 10/08

FOUNDATION

Concrete condition (spalling, cracks)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Levelness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Appears level
Coating condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Drain openings in ring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Signs of settlement around tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	No settlement noted
Dike walls / Containment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Site drainage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Drainage is good
Seal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Seal in good condition

SHELL

Paint condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Minor paint chips
Corrosion / Pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Bulges / Blisters / Deformations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Weld condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Attachments (supports, brackets)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Signs of "chime" thinning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	None noted
Overflow vents / piping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Good condition
UT measurements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	See autocad drawing

CATHODIC PROTECTION

Galvanic anode system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Impressed current system	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A



MANWAYS & NOZZLES

Item Inspected	Yes	No	NA = Not Applicable	Yes	No	N/A	Comments:
Paint condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				No paint failure noted
Corrosion, pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				None noted
Weld condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Good condition
Flange condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Good condition
Bolting condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Good condition
Repad condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
UT measurements	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A

ROOF

Paint condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				No paint failure noted
Corrosion, pitting (describe)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				None noted
Weld condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Good condition
Proper drainage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Drainage good
Insulation deterioration	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
UT measurements	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				See autocad drawing

ROOF APPURTENANCES

Condition of hatch(s), manway(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Condition of pressure/vacuum vent	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Condition of screens on vents	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Bolting condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Insulation seal condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A

APPURTENANCES

Grounding (tightness & corrosion)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				Ground connection is tight
Gauges, Sight glass (damage)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				No damage noted

HANDRAILS

Paint condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Corrosion, pitting (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Attachment welds	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Safety drop bar (chain) condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A



PLATFORMS / STAIRS / LADDERS

Item Inspected	Yes	No	NA = Not Applicable	Yes	No	N/A	Comments:
Paint condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Corrosion, pitting (describe)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Attachment weld condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Bolting condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Cage condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Rung condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Stairway tread condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A
Concrete base condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>				N/A

GRATING

Paint condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Thinning on grating bars	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Condition of grating welds	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A
Tie down clips	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A

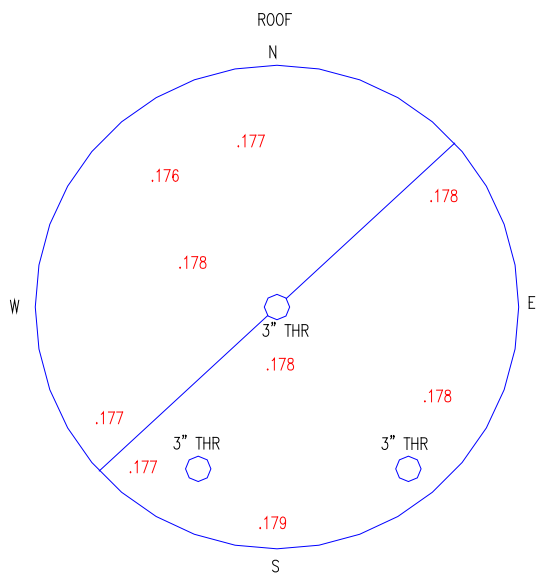
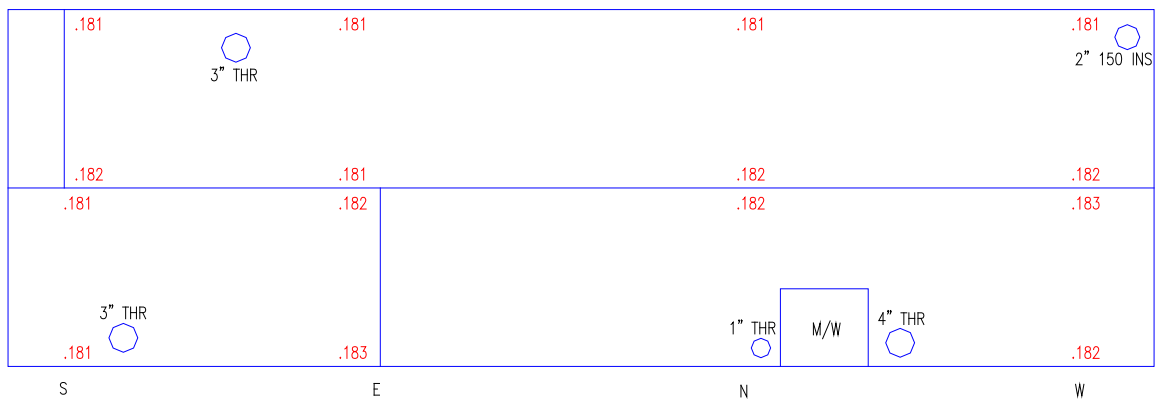
ADDITIONAL COMMENTS:



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NOTES

1. P&ID NO: STWT-P01-012
- 2.
- 3.
- 4.
- 5.
- 6.

CLIENT: Williams Field Services	<i>DBI, Incorporated</i> 5330 N. 57th Street Lincoln, Nebraska 68507	
LOCATION: Stewart Dew Point Hickory. PA		
INSPECTION DATE: 7-19-2012	ACAD DWG. FILE: T-685	
TANK No: T-685	DWN BY: MCS	CKD BY:
TANK ID: Lube Oil/Drain Tank	MECHANICAL INTEGRITY INSPECTION	