

CERTIFICATE OF VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-03-TSS-HALL-NDT-078
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	JOB NO :	QC-24-03-TSS-NDT-HALL-03
WORK ORDER #	326362800	SPECIFICATION:	ASME SECTION VIII DIV 1 Latest Edition Manufacturing Date Book
INSPECTION DATE:	Monday, March 18, 2024	INSP. DUE DATE:	Monday, March 17, 2025
TYPE OF INSPECTION:	VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING		
DESCRIPTION:	STORAGE TANK VENT LINE	SAP NO.:	13336975
MANUFACTURER:	AL SHIRAWI EQUIPMENT COMPANY LLC	MANUFACTURER SERIAL NO:	10567-2

INSPECTION DETAILS

(a) Normal condition
Under side (b) Corrosion present on back surface

Procedures: (a) Normal condition: Large reflector wheel, Area of reflected echo, Target, Small reflector wheel, Surface, Corroded condition, Area of reflected echo, Target.

A: 12'O CLOCK / FORWARD
B: 3'O CLOCK / CENTER
C: 6'O CLOCK / AFT

* ALL READINGS IN INCH
**MINIMUM THICKNESS PROVIDED BY CUSTMER

ONLINE TRACEABILITY

ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	CORROSION ALLOWANCE	FINAL REMARKS
	0°	90°	180°	270°			
A	0.267	0.274	0.282	0.276	8.56 MM 0.337 INCH	3.18 MM 0.125 INCH	SATISFACTORY
B	0.274	0.280	0.287	0.291			
C	0.264	0.268	0.268	0.272			
D	0.273	0.280	0.290	0.294			
E	0.277	0.285	0.283	0.292			
F	0.270	0.258	0.268	0.250			
G	0.279	0.287	0.289	0.295			

INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to ASTM E797 & ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Manufacturing Date Book

Inspection Evaluation

(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709 (70.94158)
 (UT) The Above Item Was Found Acceptable As Per ASTM E797 & ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book

INSPECTION EQUIPMENT DETAILS

TECHNICAL DETAILS

AC YOKE S.N:	201504052	CAL DUE DATE	12-Aug-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Aug-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	14-Aug-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
WHITE LIGHT INTENSITY:	3630 lux						

PERSON DETAILS

REVIEW BY

INSPECTOR NAME:	M.Shahzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	BT LE 773.111	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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