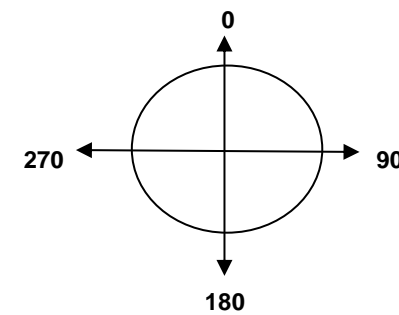
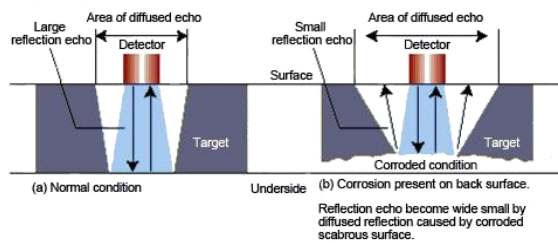


## MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-01-TSS-004-NDT MAJ-004
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASME SECTION VIII DIV 1 Latest Edition
WORK ORDER #	325816708	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 Manufacturing Date Book Specialist Services
DATE:	01-JAN-2024	INSP. DUE DATE:	<b>ANNUAL INSPECTION</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	BYPASS LINE SURGE TANK 50BBL 50PSI	SAP NO.:	11520759
MANUFACTURER:	SPECIALIST SERVICES	SERIAL NO.:	FFZ-287
<b>INSPECTION DETAILS</b>			
Max. Working Pressure:	1440 PSI	Holding Time:	15 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



ONLINE TRACEABILITY

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

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

ANGLE	THICKNESS AT POSITION				NOMINAL THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.276	0.269	0.281	0.268	7.62 MM 0.300 INCH	SATISFACTORY
B	0.289	0.275	0.272	0.274		
C	0.276	0.289	0.291	0.282		
D	0.288	0.302	0.299	0.291		
E	0.298	0.278	0.268	0.266		
F	0.269	0.279	0.282	0.275		
G	0.287	0.281	0.291	0.284		
H	0.297	0.303	0.284	0.268		
I	0.301	0.287	0.276	0.288		

### INSPECTION RESULT

VT & MPI	Accepted	* ACCORDING TO ASTM E709(70.94158).
UT	Accepted	According to Halliburton Procedure (H2S STANDERD NACE MQ-01-75) ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria

### Inspection Evaluation

**(MPI)** The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To The Halliburton Specification ASTM E709 (70.94158)

**U.T-**The Above Item Was Found Acceptable As Per Halliburton Procedure H2S STANDARD NACE MQ-01-75 ASME SECTION VIII DIV 1 Latest Edition & Manufacturing Date Book Specialist Services

**Pressure Test-**The Above Item was Pressure Tested to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 15 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached

INSPECTION EQUIPMENT DETAILS				TECHNICAL DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	14-Feb-24	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Feb-24		Magnaflux	220602	JUN,2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16-Feb-24	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16-Feb-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Feb-24	Fluorescent Magnetic Ink 7HF		1.2 to 2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3630 lux						

### PERSON DETAILS

INSPECTOR NAME:	M.Shanzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:	
QUALIFICATION:	ASNT CP	INSPECTION SUPERVISOR:	HANI ALI	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

Original - Client Files    Copy - Area Office    QC/NT/PP/077    Rev.00    DATED 07.NOV. 2021

