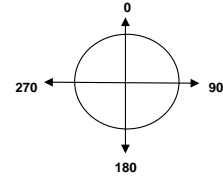


MAJOR INSPECTION CERIFICATE

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON	REPORT No.:	QC-24-01-TSS-009-NDT MAJ-001
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	SPECIFICATION:	ASTM E709 & ASTM E797 & ASME B31.1 Manufacturing Date Book
WORK ORDER #	326075504		
INSPECTION DATE:	Friday, January 26, 2024	INSP. DUE DATE:	ANNUAL INSPECTION
TYPE OF INSPECTION:	VISUAL INSPECTION, AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING & PRESSURE TEST WITNESS		

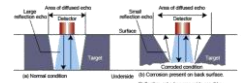
DESCRIPTION:	MULTI PHASE FLOW METER (MPFM)	SAP NO.:	12364984
INSPECTION DETAILS			
Max. Working Pressure:	5000 PSI	Holding Time:	18 Min
Low pressure:	300 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024



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 CUSTOMER



ANGLE	THICKNESS AT POSITION				MINI.THICKNESS	FINAL REMARKS
	0°	90°	180°	270°		
A	0.605	0.614	0.617	0.623	13.35 MM 0.525 INCH	SATISFACTORY
B	0.612	0.618	0.625	0.629		
C	0.622	0.626	0.624	0.628		
D	0.611	0.618	0.628	0.632		
E	0.615	0.623	0.621	0.630		
F	0.628	0.635	0.645	0.649		
G	0.617	0.625	0.627	0.633		
H	0.621	0.628	0.632	0.641		
I	0.637	0.642	0.638	0.647		

INSPECTION RESULT			
VT & MPI	Accepted	* ACCORDING TO ASTM E709	
UT	Accepted	According to ASTM E 797 & Manufacturing Date Book	
BODY	Accepted	*** These Are The Actual Readings Need To Follow As Per Halliburton Acceptance Criteria	

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

U.T-The Above Item Was Found Acceptable As Per ASTM E 797 & Manufacturing Date Book

Pressure Test-The Above Item was Pressure Tested to 300 PSI A low Pressure Hold for 5 min And Maximum Working pressure 5000 psi Hold 18 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:	3570 lux						

PERSON DETAILS				
INSPECTOR NAME:	M. Shanzad Ahmed	SENIOR INSPECTOR:	NAVEED HUSSAIN	CLIENT:
QUALIFICATION:	ASNT CP-105	INSPECTION SUPERVISOR:	HANI ALI	HR&SIGN
SIGNATURE & STAMP:				DATE:

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



Data Collection Report

Gauge Information	
Serial Number	468066
Model	XP2I
Message Store	TSS test area
Units	PSI
SCALE	15000 PSI

Run Info	
Start Time	8:30 AM
Stop Time	8:53 AM
Test Date	27-JAN-24
EQ NUMBER	12364984
LAST CALIB	2.Aug.2023

READING



TESTED BY: Haider Emad

APPROVED BY: Hassan Kamel

COMMENTS: Body Test

SIGN:

SIGN: H. Kamel

