

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION & WITNESS PRESSURE TEST**  
THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-23-10-RS-TSS-161
LOCATION:	<b>TSS (Burjesia Halliburton Camp)</b>	STANDARD:	(ASTM E 797 & ASTM E709 )
WORK ORDER:	-	SPECIFICATION:	Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75
INSPECTION DATE:	6-Oct-2023	INSP. DUE DATE:	5-Oct-2024
TYPE OF INSPECTION:	<b>VISUAL INSPECTION, PRESSURE TEST AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	<b>3" 600 BALON VALVE 1440 Psi</b>	MFG SERIAL NO:	<b>9FMP</b>
MANUFACTURER:	<b>ANSON</b>	Pressure Gauge NO:	<b>468066 Cal DUE. AUG.2024</b>
Pump S.N.:	<b>13119220 Cal DUE. AUG.2024</b>		

**INSPECTION DETAILS**

(a) Normal condition  
Underside (b) Corrosion present on back surface.  
Reflection echo become wide small by diffused reflection caused by corroded scabrous surface.

**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

SECTION NO.	Thickness at Position				Minimum Thickness (INCH)
	0°	90°	180°	270°	
A	0.381	0.374	0.398	0.354	0.180 INCH
B	0.387	0.361	0.379	0.363	

**INSPECTION RESULT**

VT & MPI	Accepted	* ACCORDING TO ASM E709(70.94158).
UT	Accepted	** According to Halliburton Procedure Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 (ASTM E 797)
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 Acceptance Criteria Halliburton Acceptance Criteria H2S STANDARD NACE MQ-01-75 (ASTM E 797)

**Pressure Test-**The Above Item was Inlet, Outlet & Body 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.2024	White Contrast WCP-2	MANUFACTURE	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16.FEB.2024		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	16.FEB.2024	Black Magnetic Ink 7HF	MANUFACTURE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	16.FEB.2024		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14.FEB.2024	Fluorescent Magnetic Ink 7HF	1.2 to 2.4 ml/100 ml		
Digital Lux Meter WHITE LIGHT INTENSITY: 3640 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024				

**PERSON DETAILS**

INSPECTOR NAME:	<b>SAO SOHAIL</b>	SENIOR INSPECTOR:	<b>NAVEED HUSSAIN</b>	CLIENT:	
QUALIFICATION:	<b>SAO SOHAIL</b>	INSPECTION SUPERVISOR:	<b>HANI ALI</b>	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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