

**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-081
LOCATION:	<b>TSS (Burjesia Halliburton Camp)</b>	STANDARD:	(ASTM E 797 & ASTM E709)
WORK ORDER:	-	SPECIFICATION:	(WM-GL-HAL-SWT-501)
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 CHECK VALVE 1440 Psi</b>	MFG SERIAL NO:	<b>171121</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

POINTS	THICKNESS AT POSITION		Minimum Thickness
	A		
0°	0.630		0.124 INCH
90°	0.650		0.124 INCH
180°	0.658		0.124 INCH
270°	0.631		0.124 INCH

**INSPECTION RESULT**

VT & MPI	Accepted	* ACCORDING TO ASM E709(70.94158).
UT	Accepted	** According to Halliburton Procedure WM-GL-HAL-SWT-501 (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 Discontinuities 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 (WM-GL-HAL-SWT-501) (ASTM E 797)  
**Pressure Test-**The Above Item was Flapper & 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

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: 3540 lux	S.NO:2722003	CAL DUE DATE	16.FEB.2024				

**PERSON DETAILS**

INSPECTOR NAME:	<b>RAO SOHAIL</b>	SENIOR INSPECTOR:	<b>NAVEED HUSSAIN</b>	CLIENT:	
QUALIFICATION:	<b>ASNT - CMT III</b>	INSPECTION SUPERVISOR:	<b>HANI ALI</b>	HB&SIGN	
SIGNATURE & STAMP:				DATE:	

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

