

**CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING INSPECTION**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIEREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT NO.:	QC-24-09-NDT-032
LOCATION:	<b>TSS YARD</b>	STANDARD:	ASTM E709 & ASTM E797 & AP6A
WORK ORDER #	*****		
DATE OF INSPECTION:	Tuesday, September 3, 2024	INSPECTION. DUE DATE:	<b>Sunday, March 2, 2025</b>
TYPE OF INSPECTION:	<b>VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND ULTRASONIC THICKNESS GAUGING</b>		

DESCRIPTION:	<b>BALON VALVE 3" 600 CL</b>	SERIAL NO.:	<b>10J09</b>
--------------	------------------------------	-------------	--------------

(a) Normal condition: Large reflection echo, Area of diffused echo, Detector, Surface, Target.

(b) Corroded condition: Small reflection echo, Area of diffused echo, Detector, Target. Underneath: (b) Corrosion present on back surface. Reflection echo become very small by diffused reflection caused by corroded and uneven surface.

**ONLINE TRACEABILITY**

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

POINTS	THICKNESS AT POSITION		MINIMUM THICKNESS PROVIDED BY CUSTMER
	A	B	
0°	12.81	13.23	5.61 MM
90°	12.58	12.63	
180°	12.86	13.11	
270°	12.98	12.79	

**INSPECTION RESULT**

VT & MPI	Accepted	According to ASTM E709
UT	Accepted	According to ASTM E 797

**Inspection Evaluation**

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

U.T-The Above Item Was Found Acceptable As Per ASTM E797

**INSPECTION EQUIPMENT DETAILS**

**TECHNICAL DETAILS**

AC YOKE S.N:	201504052	CAL DUE DATE	14-Oct-24	White Contrast WCP-2	MANUFACTUR E	BATCH NO	EXPIRE DATE
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	16-Oct-24		Magnaflux	220602	JUN.2025
UT THICKNESS GAUGE:	3997	CAL DUE DATE	14-Oct-24	Black Magnetic Ink 7HF	MANUFACT URE	BATCH NO	EXPIRE DATE
UT TEST BLOCK:	NoBo5087	CAL DUE DATE	15-Oct-24		Magnaflux	220605	JULY.2025
ASTM Test Block:	1657	CAL DUE DATE	14-Oct-24	Concentration of 7HF:		1.2 to2.4 ml/100 ml	
WHITE LIGHT INTENSITY:	3560 lux						

**PERSON DETAILS**

**REVIEW BY**

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

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

