

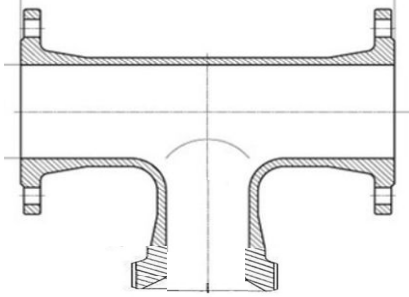

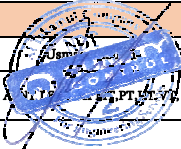
**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATE OF VISUAL AND MAGNETIC PARTICLE INSPECTION & PRESSURE TEST WITNESS**

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	<b>HALLIBURTON</b>	REPORT No.:	QC-24-4-TSS-NDT-003
LOCATION:	TSS WORKSHOP & INSPECTION TEST AREA	STANDARD:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A ASME B31.1
WORK ORDER #	-	JOB NO:	QC-24-04-TSS-NDT-001
DATE OF INSP:	Sunday, April 15, 2024	INSP. DUE DATE:	Sunday, October 14, 2024
TYPE OF INSPECTION:	VISUAL INSPECTION AND MAGNETIC PARTICLE INSPECTION AND PRESSURE TEST WITNESS		
DESCRIPTION:	TEE FLANGE 4" 600 X FLANGE 4" 600 X 4" 206 THREAD	DIVERTER MANIFOLD SAP NO:	MF004
		SERIAL NO:	TSS-1154
INSPECTION DETAILS			
Max. Working Pressure:	1440 PSI	Holding Time:	18 Min
Low pressure:	100 PSI	Holding Time:	05 Min
Pump S.N.:	13119220 Cal DUE. AUG.2024	Pressure Gauge NO.:	468066 Cal DUE. AUG.2024
 			
ONLINE TRACEABILITY			
Inspection Evaluation			
(MPI) The Above Item Has No Significant Discontinuous At The Time Of Inspection And Found Acceptable Accordance To ASTM E709 (70.94158) Note: MPI Wet Fluorescent inspection Thread With UltraViolet Light			
Pressure Test- The Above Item was Pressure Tested to 100 PSI A low Pressure Hold for 5 min And Maximum Working pressure 1440 psi Hold 18 min no Leak was Realized while testing & Pressure Was Stable Accordance To Chart Recorder Attached			
INSPECTION EQUIPMENT DETAILS			
AC YOKE S.N:	201504048	CAL DUE DATE	12-Aug-24
Digital Lux Meter WHITE LIGHT	2722003	CAL DUE DATE	14-Aug-24
DC COIL:	22650	CAL DUE DATE	14-Aug-24
UV BLACK LIGHT:	1932401	CAL DUE DATE	14-Aug-24
ASTM Test Block:	1657	CAL DUE DATE	12-Aug-24
WHITE LIGHT INTENSITY:	3620 lux		
TECHNICAL DETAILS			
White Contrast WCP-2	MANUFACTUR E	BATCH NO	EXPIRE DATE
	Magnaflux	220602	JUN,2025
Black Magnetic Ink 7HF	MANUFACT URE	BATCH NO	EXPIRE DATE
	Magnaflux	220605	JULY,2025
Fluorescent Magnetic Ink 14HF	MANUFACT URE	BATCH NO	EXPIRE DATE
	Magnaflux	220306	March,2025
PERSON DETAILS			
INSPECTOR NAME:		SENIOR INSPECTOR:	NAVEED HUSSAIN
QUALIFICATION:		INSPECTION SUPERVISOR:	HANI ALI
SIGNATURE & STAMP:			
		CLIENT:	
		HBASIGN	
		DATE:	

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

