

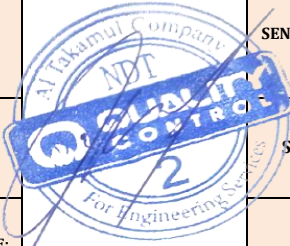
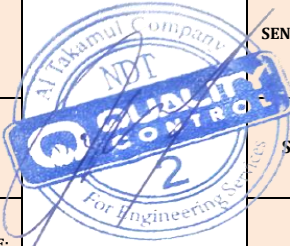
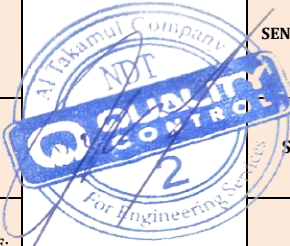
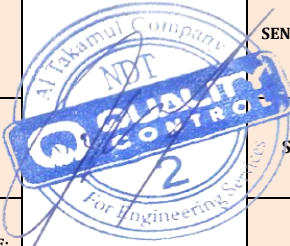


AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE & DYE PENETRANT INSPECTION								
Client:	HALLIBURTON (HPS)			Report No:	QC-24-06-HPS-NDT-010			
Location:	HPS YARD			JOB NO:	200624			
Inspection Date:	Thursday, June 20, 2024			Next Inspection Date:	Thursday, December 19, 2024			
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE & DYE PENETRANT INSPECTION			Specification:	ASTM E165/E165M ,ASTM E1417/E1417M ,EN ISO 3452-1,EN ISO 3452-2 ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A, 16A			
				UNIT DESCRIPTION:	ADAPTOR FLANGE: 3 1/16" 10K BX154 X 4 1/16" 10K BX155			
				UNIT S/N:	HAH18764-2-4			
				INSPECTION RESULT :				
				VISUAL , THOROUGH EXAMINATION	Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage			
				MAGNETIC PARTICLE INSPECTION (MPI)	Available critical areas inspected and found free from cracks and other defects'			
				DYE PENETRANT INSPECTION (DPI)	Groove areas inspected and found free from cracks and other defects'			
				FINAL RESULTS	Above Item found satisfactory and free of defects at the time of inspection			
TECHNICAL DETAILS DPI				COMMENT: 				
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE								
PENETRANT DWELL TIME:	30 minutes	DEVELOPER DWELL TIME:	15 minutes					
TEST PART TEMPERATURE :	98 °F	WHITE LIGHT INTENSITY:	3580 LUX	Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast				
				Dye Penetrant Inspection Groove Area				
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	AC-Yoke Test Block	EQUIPMENT :	Digital Lux Meter	INSPECTOR NAME: M.SHAHZAD AHMED		SENIOR INSPECTOR: NAVEED HUSSAIN
S.NO:	201504052	S.NO:	1657	S.NO:	2722003			
Cal Due Date:	14.OCT.2024	Cal Due Date:	14.OCT.2024	Cal Due Date:	16.OCT.2024			
EQUIPMENT :	COMPARATOR BLOCK	EQUIPMENT :	Pressure Gauge 30 PSI	EQUIPMENT :	INFRARED THERMOMETER	QUALIFICATION: ASNT LEVEL II MT & PT & VT		SUPERVISOR: HANI ALI
S.NO:	11223	S.NO:	SSR825	S.NO:	201704125			
Cal Due Date:	16.OCT.2024	Cal Due Date:	16.OCT.2024	Cal Due Date:	16.OCT.2024			
Red Penetrant Manufacture:		Magnaflux	Batch No:	220511	EXPIRE DATE:	May,2025		CLIENT:
Developer Manufacture:		Magnaflux	Batch No:	220302	EXPIRE DATE:	March,2025		
White Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025		
Black Magnetic Ink Manufacture:7HF		Magnaflux	Batch No:	220605	EXPIRE DATE:	JUL,2025		
Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml						

Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021 & QC/FN/DPI/NDT/022 Rev.00 Dated: 07 Nov 2021