

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			Report No:		QC-24-05-HPS-NDT-003				
Location:		HPS (Burjesia Halliburton Camp)			WORK ORDER NO:		8052024				
Inspection Date:		Wednesday, May 8, 2024			Next Inspection Date:		Thursday, November 7, 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:		FLANGE CROSS OVER 4-1/16" 15K BX-155 FLG 8.250"-4X2 ACME BOWN BOX WP 10K (Seal Dia-6.00") With Modified Collar.				
					EQUIPMENT S/N:		E23-30893-01-02				
					INSPECTION RESULT :						
					VISUAL , THOROUGH EXAMINATION		Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage				
					MAGNETIC PARTICLE INSPECTION (MPI)		Thread & 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: (MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast Dye Penetrant Inspection Groove Area						
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE											
PENETRANT DWELL TIME:		30 minutes		DEVELOPER DWELL TIME:						15 minutes	
TEST PART TEMPERATURE :		92 °F		WHITE LIGHT INTENSITY:		3620 LUX					
EQUIPMENT DETAILS					PERSON DETAILS		REVIEW BY				
EQUIPMENT :		AC/DC HAND Yoke		EQUIPMENT :		Shooting Coil DC		EQUIPMENT :		UV BLACK LIGHT: 2980 μw/cm²	
S.NO:		201504052		S.NO:		22650		S.NO:		1898977	
Cal Due Date:		12.AUG.2024		Cal Due Date:		12.AUG.2024		Cal Due Date:		12.AUG.2024	
EQUIPMENT :		COMPARATOR BLOCK		EQUIPMENT :		Pressure Gauge 30 PSI		EQUIPMENT :		INFRARED THERMOMETER	
S.NO:		11223		S.NO:		SSR825		S.NO:		201704125	
Cal Due Date:		12.AUG.2024		Cal Due Date:		18.AUG.2024		Cal Due Date:		14.AUG.2024	
Red Penetrant Manufacture:		Magnaflux		Batch No:		220511		EXPIRE DATE:		May,2025	
Developer Manufacture:		Magnaflux		Batch No:		220302		EXPIRE DATE:		March,2025	
FLUORESCENT 14HF		Magnaflux		Batch No:		220306		EXPIRE DATE:		MARCH,2025	
White Contrast Paint Manufacture:		Magnaflux		Batch No:		220602		EXPIRE DATE:		JUN,2025	
Digital Lux Meter		TECHNICAL DETAILS				Black Magnetic Ink Manufacture:7HF		STAMP & SIGNATURE:		CLIENT:	
       											
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