



**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 HDBS			Report No:	QC-25-HDBS-0305-015					
Location:	HDBS YARD			JOB NO:	3052025					
Inspection Date:	Saturday, May 3, 2025			Next Inspection Date:	Sunday, November 2, 2025					
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE & DYE PENETRANT INSPECTION			Specification:	DS-1 VOLUME 4 FIFTH EDITION					
				UNIT DESCRIPTION:	12 1/4" X 8" CORE HEAD					
				UNIT S/N:	11975566					
				INSPECTION RESULT :						
				VISUAL , THOROUGH EXAMINATION	Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage					
				MAGNETIC PARTICLE INSPECTION (MPI)	Thread areas inspected and found free from cracks and other defects					
DYE PENETRANT INSPECTION (DPI)	Blade 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										
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER - WASHABLE										
PENETRANT DWELL TIME:	30 minutes		DEVELOPER DWELL TIME:	15 minutes						
TEST PART TEMPERATURE :	102 °F		WHITE LIGHT INTENSITY:	3670 LUX						
				COMMENT:						
				(MPI Wet Fluorescent inspection Thread With UltraViolet Light)						
				Dye Penetrant Inspection Blade Area						
										
EQUIPMENT DETAILS				PERSON DETAILS		REVIEW BY				
EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3120 µw/cm ²	EQUIPMENT :	Digital Lux Meter		INSPECTOR NAME: M.SHAHZAD AHMED			
S.NO:	22650	S.NO:	87521	S.NO:	2722003					
Cal Due Date:	08.OCT.2025	Cal Due Date:	09.OCT.2025	Cal Due Date:	09.OCT.2025					
EQUIPMENT :	COMPARATOR BLOCK	EQUIPMENT :	Pressure Gauge 30 PSI	EQUIPMENT :	INFRARED THERMOMETER		QUALIFICATION: ASNT LEVEL II MT & PT & VT			
S.NO:	11223	S.NO:	SSR825	S.NO:	201704125					
Cal Due Date:	08.OCT.2025	Cal Due Date:	08.OCT.2025	Cal Due Date:	07.OCT.2025					
Red Penetrant Manufacture:	Magnaflux	Batch No:	230606	EXPIRE DATE:	June,2026		STAMP & SIGNATURE:			
Developer Manufacture:	Magnaflux	Batch No:	230608	EXPIRE DATE:	June,2026					
FLUORESCENT 14HF	Magnaflux	Batch No:	230503	EXPIRE DATE:	MAY.2026					
Wet FLUORESCENT Particle Concentration 14 HF	0.1 to 0.4 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

