

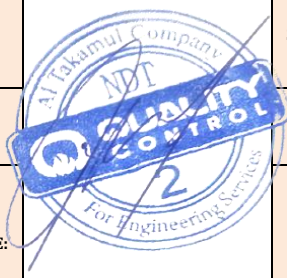


**AI TAKAMUL COMPANY FOR ENGINEERING TESTS  
AND PROFESSIONAL SAFETY LIMITED**  
Basra, North Rumaila, Quality Control Yard - Iraq



**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**

<b>Client:</b>	<b>HALLIBURTON (TSS)</b>	<b>Report No:</b>	QC-24-04-TSS-NDT-017
<b>Location:</b>	TSS YARD	<b>JOB NO:</b>	QC-24-01-TSS-0116
<b>Inspection Date:</b>	Monday, April 8, 2024	<b>Next Inspection Date:</b>	Monday, October 7, 2024
<b>Type Of Inspection:</b>	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	<b>Specification:</b>	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019) & API 6A
	<b>UNIT DESCRIPTION:</b>	FLANGE 6" 600 CLASS X 3" 1502 WING	
	<b>UNIT S/N:</b>	HAH-19314-1-2	
	<b>INSPECTION RESULT :</b>		
	<b>VISUAL , THOROUGH EXAMINATION</b>	VISUAL & MAGNETIC PARTICLE INSPECTION ( M.P.I. ) HAD BEEN DONE ON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION	
	<b>MAGNETIC PARTICLE INSPECTION</b>	Thread & Available critical areas inspected and found free from cracks and other defects	
	<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED	
<b>COMMENT:</b> (MPI Wet Fluorescent inspection Thread With UltraViolet Light) Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast			

EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY	
<b>EQUIPMENT :</b>	AC/DC HAND Yoke	<b>EQUIPMENT :</b>	Shooting Coil DC	<b>EQUIPMENT :</b>	UV BLACK LIGHT: 3041 μw/cm <sup>2</sup>	<b>INSPECTOR NAME:</b>	M.SHAHZAD AHMED	<b>SENIOR INSPECTOR:</b>	NAVEED HUSSAIN
<b>S.NO:</b>	201504052	<b>S.NO:</b>	22650	<b>S.NO:</b>	1898977		<b>QUALIFICATION:</b> ASNT LEVEL II MT & PT & VT	<b>SUPERVISOR:</b>	HANI ALI
<b>Cal Due Date:</b>	12.AUG.2024	<b>Cal Due Date:</b>	12.AUG.2024	<b>Cal Due Date:</b>	12.AUG.2024			<b>CLIENT:</b>	
<b>FLUORESCENT 14HF</b>	Magnaflux	<b>Batch No:</b>	220306	<b>EXPIRE DATE:</b>	MARCH,2025				
<b>White Contrast Paint Manufacture:</b>	Magnaflux	<b>Batch No:</b>	220602	<b>EXPIRE DATE:</b>	JUN,2025				
<b>TECHNICAL DETAILS</b>					<b>Black Magnetic Ink Manufacture:7HF</b>				
<b>Digital Lux Meter WHITE LIGHT INTENSITY:</b>	Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605				
<b>Cal Due Date:14.AUG.2024</b>	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		<b>EXPIRE DATE:</b>	Jul-25			

Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021