Al TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

CERTIFICATE OF QUALIFICATION VISUAL AND MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON (TSS)	**Report No:**	QC-30-05-TSS-NDT-001
Location:	TSS WORKSHOP & INSPECTION TEST AREA	**WORK ORDER**	326752492
Date:	Thursday, May 30, 2024	**Next Inspection Date:**	Friday, November 29, 2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	**Specification:**	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)

UNIT DESCRIPTION:	**FLARE STACK**
SAP S/N:	**11435909**
FLARE STACK S/N:	**101788332**

INSPECTION RESULT :

VISUAL , THOROUGH EXAMINATION	**VISUAL & MAGNETIC PARTICLE INSPECTION (M.P.I.) HAD BEEN DONEON THE AVAILABLE AREAS FOR THE ABOVE DESCRIPTION**
MAGNETIC PARTICLE INSPECTION	**Weldment areas inspected and found free from cracks and other defects**
FINAL RESULTS	**THE ABOVE INSPECTED AREAS WAS ACCEPTED**

COMMENT:

Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast

EQUIPMENT DETAILS

EQUIPMENT :	**AC/DC HAND Yoke**	**EQUIPMENT :**	**ASTM Test Block**	**EQUIPMENT :**	**UV BLACK LIGHT: 3140 µw/cm²**
S.NO:	**201504048**	**S.NO:**	**1657**	**S.NO:**	**1898977**
Cal Due Date:	**14.OCT.2024**	**Cal Due Date:**	**14.OCT.2024**	**Cal Due Date:**	**15.OCT.2024**

FLUORESCENT 14HF	Magnaflux	**Batch No:**	220306	EXPIRE DATE:	MARCH,2025
Whie Contrast Paint Manufacture:	Magnaflux	**Batch No:**	220602	EXPIRE DATE:	JUN,2025

Digital Lux Meter WHITE LIGHT INTENSITY:	**TECHNICAL DETAILS**		**Black Magnetic Ink Manufacture:7HF**	
3570 Lux/S.NO:2722003	Wet FLUORESCENT Particle Concentration 14 HF	0.1 to 0.4 ml/100 ml	Batch No:220605	
Cal Due Date:16.OCT2024	Black Magnetic Ink Concentration 7 HF	1.2 to 2.4 ml/100 ml	EXPIRE DATE:	Jul-25

PERSON DETAILS

INSPECTOR NAME: Usman shabbir

QUALIFICATION: ASNT LEVEL II MT & PT & VT

STAMP & SIGNATURE:

REVIEW BY

SENIOR INSPECTOR:	M.SHAZAD
SUPERVISOR:	HANI ALI
CLIENT:	

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

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