

AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq

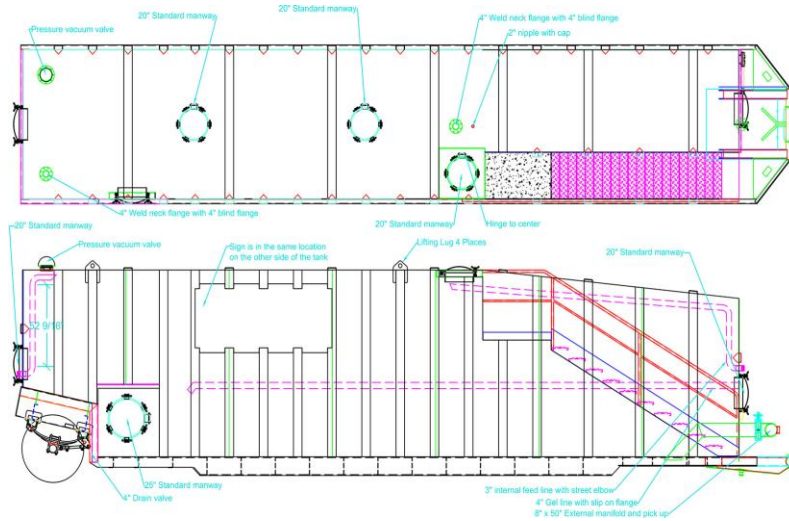


CERTIFICATE OF QUALIFICATION VISUAL INSPECTION AND LEAK TESTING

THIS REPORT COMPLIES WITH RECOGNIZED INTERNATIONAL STANDARDS & TECHNICAL REQUIREMENTS

CLIENT:	HALLIBURTON IRAQ (HPS)		
LOCATION:	HPS YARD	REPORT No.:	QC-24-HALL-HPS-April- VT & LEAK -010B
STANDARD:	CUSOMER SPECIFICATION	JOB NO:	QC-24/HALL-HPS-001
INSPECTION DATE:	Tuesday, April 23, 2024	Due Date	Tuesday, October 22, 2024
TYPE OF INSPECTION:	*VISUAL TESTING AND *LEAK TESTING		
DESCRIPTION:	FRAC TANK	SAP NO:	11918665
MEDIUM USED:	WATER	HOLDING TIME:	15 MINUTES

PICTURES



INSPECTION RESULT

VISUAL TESTING:	Visual Testing of Frac Tank did not found Deforms Mechanical Damage, Cracks and Corrosion. At time of Inspection.
LEAK TESTING:	Leak Testing of Frac Tank did not found any leakage during the holding time. At time of Inspection.

Inspection Evaluation

VISUAL TESTING-The above mentioned Frac Tank was found "Satisfactory" Fit for intended used.

LEAK TESTING- The above mentioned Frac Tank was found "Satisfactory" Fit for intended used.



PERSONNEL DETAILS			REVIEW BY		
NAME:	Usman Shabbir		SENIOR INSPECTOR:	ASHRAF ELSAID	CUSTOMER NAME
QUALIFICATION:	ASNT LEVEL II MT,PT,VT		SUPERVISOR:	HANI ALI	
STAMP & SIGNATURE:			DATE:		

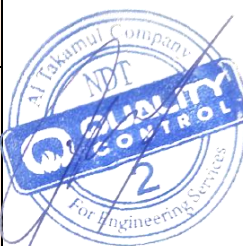
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CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON IRAQ (HPS)	Report No:	QC-24-HALL-HPS-JAN- VT & LEAK -010
Location:	HPS YARD	Job Number:	QC-24/HALL-HPS-JAN-002
Date:	Tuesday, April 23, 2024	Next Inspection Date:	Tuesday, October 22, 2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)
		UNIT DESCRIPTION:	FRAC TANK LIFTING LUGS
		UNIT S/N:	11918665
		UNIT DIM:	14.20 M (L) X 2.90 M (W) X 4.40 M (H)
		INSPECTION RESULT :	
		VISUAL , THOROUGH EXAMINATION	unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION	Welds & forgn areas inspected and found free from cracks and other defects		
FINAL RESULTS	unit found satisfactory and free of defects at the time of inspection		
COMMENT:			
		Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast	

EQUIPMENT DETAILS							PERSON DETAILS		REVIEW BY	
Equipment:	AC-Yoke Test Block	Equipment:	Digital Lux Meter	Equipment:	AC/DC Yoke		INSPECTOR NAME: Usman Shabbir		SENIOR INSPECTOR:	ASHRAF ELSAID
S.No:	1657	S.No:	2722003		201504052					
Cal Due Date:	12-Aug-24	Cal Due Date:	14-Aug-24	Cal Due Date:	12-Aug-24		QUALIFICATION: ASNT LEVEL II MT & PT & VT		SUPERVISOR:	HANI ALI
Black Magnetic Ink Manufacture:	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025		STAMP & SIGNATURE:			CLIENT:
Whie Contrast Paint Manufacture:	Magnaflux	Batch No:	220602	Expiry Date:	JUN.2025					
Technical Details:	Magnetic Partical Concentration		Method		WMPT Light Intensity					
	1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3630 Lux					
16.FEB.2024	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE:	Jul-25				

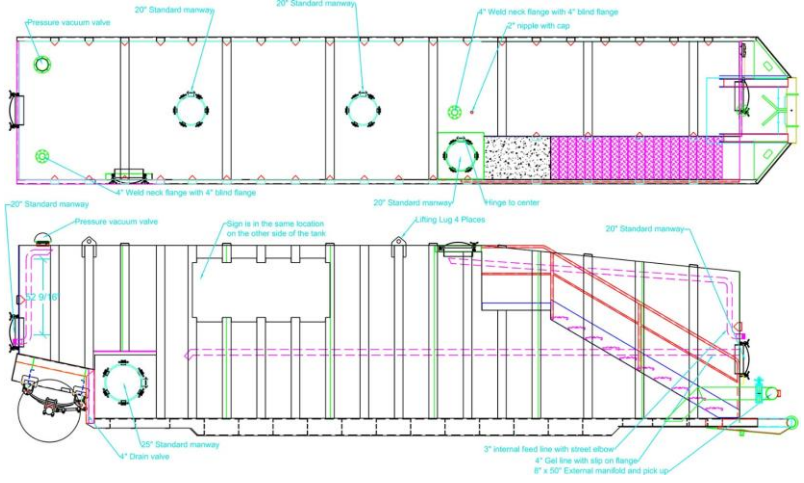

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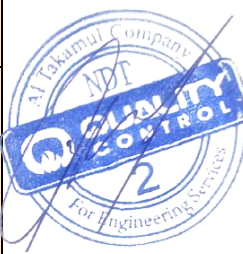


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CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON IRAQ (HPS)	Report No:	QC-24-HALL-HPS-JAN- VT & LEAK -010
Location:	HPS YARD	Job Number:	QC-24/HALL-HPS-JAN-002
Date:	Tuesday, April 23, 2024	Next Inspection Date:	Tuesday, October 22, 2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION		Specification: ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)
		UNIT DESCRIPTION:	FRAC TANK LIFTING LUGS
		UNIT S/N:	11918665
		UNIT DIM:	14.20 M (L) X 2.90 M (W) X 4.40 M (H)
		INSPECTION RESULT :	
		VISUAL , THOROUGH EXAMINATION	unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION	Welds & forgn areas inspected and found free from cracks and other defects		
FINAL RESULTS	unit found satisfactory and free of defects at the time of inspection		
COMMENT:		Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast 	

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S.No:	1657	S.No:	2722003	S.No:	201504052				QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:
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Corporate Partner



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