

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

Basra, North Rumaila, Quality Control Yard - Iraq

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CERTIFICATE OF THOROUGH EXAMINATION

This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

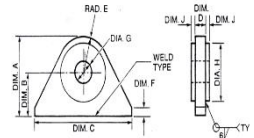
Date of Examination:	29/09/2024	Date of Report:	29/09/2024	Certificate No:	QC-24-TSS-2909-023A
Client Name:	HALLIBURTON	Location:	TSS YARD	Job Number:	29092024

Last Inspection	Last Proof Load Test Date	Next Proof Load Test Due
27/03/2024	11/2022	AFTER ANY REPAIR/MODIFICATION

Serial Number:	QTY	Description
13866574 SAP NO: 102982509	1	<p align="center">PIPE RACK</p> <p>Dimension: 4.6 M (L) X 1.9 M (W) X 1.7 M (H)</p> <p>Fully Welded Steel Construction with Four Top Mounted Pad eyes</p> <p>Tare Weight: 3500 Kg</p> <p>Payload: 5500 kg</p> <p>Maximum Gross Weight: 9000 Kg</p>

Reference Standard:	DNV2.7-1/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1
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Pad Eyes Dimension:	Thickness:	Pin Hole:	Length:	Height:
	36 mm	30 mm	185 mm	188 mm



Is this the first examination after Installation or assembly at a new site or location?	YES	NO	✓	Was the examination carried out: Within an interval of 6 months? With an interval of 12 months? In accordance with an examination scheme? After the occurrence of exceptional circumstances?	YES	✓	NO	✓		
	YES	NO	✓		YES	✓	NO	✓		
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO	✓	YES	✓	NO	✓			
Identification of any part found to have a defect which is or could not become a danger to persons and a description of the defect: (If none State NONE) NONE								YES	NO	✓

Is the above a defect which is of immediate danger to persons: YES NO ✓

Is the above a defect which is not yet but could become a danger to persons (If YES state the date by when) N/A

Particulars of any repair, renewal or alteration required to remedy the defect identified above:

Particulars of any tests carried out as part of the examination: (If none state NONE)

** The subject Items were inspected Visually and dimensionally where no signs of defects were observed at the time of inspection and found satisfactory

** MPI was carried out on the pad eyes Welding Areas and found satisfactory

IS THIS EQUIPMENT SAFE TO OPERATE? YES ✓ NO

Name of Inspector:	Name of person authenticating this report:	Signature & Stamp:	
ASHRAF ELSAID	MOHAMED ABDALLAH		
Date of Next Through Examination:	28/03/2025		

REV: 01 Dated: 20 June 2022

THIS IS TO CERTIFY THAT; a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found Satisfactory at the time of Inspection and considered Safe for Lifting.



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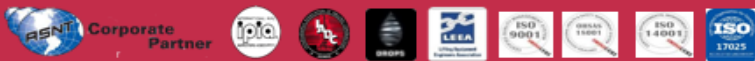


CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON TSS	Report No:	QC-24-TSS-2909-021B
Location:	TSS YARD	Job Number:	29092024
Inspection Date:	Sunday, September 29, 2024	Next Inspection Date:	Friday, March 28, 2025
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)
		UNIT DESCRIPTION:	PIPE RACK PAD EYES
		UNIT S/N:	13748657
		UNIT DIM:	4.6 M (L) X 1.9 M (W) X 1.7 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	THE ABOVE INSPECTED AREAS WAS ACCEPTED		
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: ASHRAF ELSAID QUALIFICATION ASNT LEVEL II MT & PT & VT 	SENIOR INSPECTOR:	MOHAMED ABDALLAH	
S.No:	1657	S.No:	2722003	S.No:	201504052				
Cal Due Date:	14-Oct-24	Cal Due Date:	16-Oct-24	Cal Due Date:	14-Oct-24				
Black Magnetic Ink Manufacture:	Magnaflux	Batch No:	220605	Expiry Date:	JULY.2025				
Whie Contrast Paint Manufacture:	Magnaflux	Batch No:	220602	Expiry Date:	JUN,2025				
Technical Details:	Magnetic Partical Concentration		Method		WMPT Light Intensity	STAMP & SIGNATURE:	CLIENT:		
	1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3630 Lux				

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



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