

**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

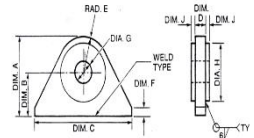
<b>Date of Examination:</b>	<b>29/09/2024</b>	<b>Date of Report:</b>	<b>29/09/2024</b>	<b>Certificate No:</b>	<b>QC-24-TSS-2909-022A</b>
<b>Client Name:</b>	<b>HALLIBURTON</b>	<b>Location:</b>	<b>TSS YARD</b>	<b>Job Number:</b>	<b>29092024</b>

<b>Last Inspection</b>	<b>Last Proof Load Test Date</b>	<b>Next Proof Load Test Due</b>
<b>23/03/2024</b>	<b>01/2022</b>	<b>AFTER ANY REPAIR/MODIFICATION</b>

Serial Number:	QTY	Description
<b>13692936</b> <b>SAP NO: 102982509</b>	<b>1</b>	<p align="center"><b>PIPE RACK</b></p> <p><b>Dimension: 4.6 M (L) X 1.9 M (W) X 1.7 M (H)</b></p> <p><b>Fully Welded Steel Construction with Four Top Mounted Pad eyes</b></p> <p><b>Tare Weight: 3500 Kg</b></p> <p><b>Payload: 5500 kg</b></p> <p><b>Maximum Gross Weight: 9000 Kg</b></p>

<b>Reference Standard:</b>	<b>DNV2.7-1/ HAL DOC: WM-GL-HAL-HSE-0420F &amp; WM-GL-HAL-HSE-0420C REV 1</b>
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<b>Pad Eyes Dimension:</b>	<b>Thickness:</b>	<b>Pin Hole:</b>	<b>Length:</b>	<b>Height:</b>
	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**

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

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

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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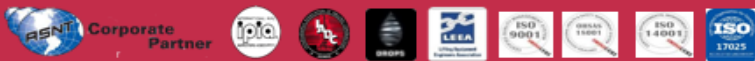


**CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION**

<b>Client:</b>	HALLIBURTON TSS	<b>Report No:</b>	QC-24-TSS-2909-022B
<b>Location:</b>	TSS YARD	<b>Job Number:</b>	29092024
<b>Inspection Date:</b>	Sunday, September 29, 2024	<b>Next Inspection Date:</b>	Friday, March 28, 2025
<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)
		<b>UNIT DESCRIPTION:</b>	PIPE RACK PAD EYES
		<b>UNIT S/N:</b>	13692936
		<b>UNIT DIM:</b>	4.6 M (L) X 1.9 M (W) X 1.7 M (H)
		<b>INSPECTION RESULT :</b>	
<b>VISUAL , THOROUGH EXAMINATION</b>	unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage		
<b>MAGNETIC PARTICLE INSPECTION</b>	Welds & forgn areas inspected and found free from cracks and other defects		
<b>FINAL RESULTS</b>	THE ABOVE INSPECTED AREAS WAS ACCEPTED		
<b>COMMENT:</b>			
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast			

EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY	
<b>Equipment:</b>	AC-Yoke Test Block	<b>Equipment:</b>	Digital Lux Meter	<b>Equipment:</b>	AC/DC Yoke	<b>INSPECTOR NAME:</b> ASHRAF ELSAID  <b>QUALIFICATION</b> ASNT LEVEL II MT & PT & VT  	<b>SENIOR INSPECTOR:</b> MOHAMED ABDALLAH	<b>CLIENT:</b>	
<b>S.No:</b>	1657	<b>S.No:</b>	2722003	<b>S.No:</b>	201504052				
<b>Cal Due Date:</b>	14-Oct-24	<b>Cal Due Date:</b>	16-Oct-24	<b>Cal Due Date:</b>	14-Oct-24				
<b>Black Magnetic Ink Manufacture:</b>	Magnaflux	<b>Batch No:</b>	220605	<b>Expiry Date:</b>	JULY,2025				
<b>Whie Contrast Paint Manufacture:</b>	Magnaflux	<b>Batch No:</b>	220602	<b>Expiry Date:</b>	JUN,2025				
<b>Technical Details:</b>	<b>Magnetic Partical Concentration</b>		<b>Method</b>		<b>WMPT Light Intensity</b>		<b>STAMP &amp; SIGNATURE:</b>		
	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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