

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

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

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**CERTIFICATE OF THOROUGH EXAMINATION**

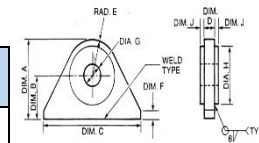
This Certificate complies with the requirements of the Lifting Equipment Operations and Lifting Equipment Regulations

<b>Date of Examination:</b>	19-09-2024	<b>Date of Report:</b>	19-09-2024	<b>Certificate No:</b>	QC-Halliburton-2024-0335-08
<b>Client Name:</b>	HALLIBURTON TSS	<b>Location:</b>	TSS YARD	<b>Job Number:</b>	QC-Halliburton-2024-0335
<b>Last Inspection</b>		<b>Last Proof Load Test Date</b>		<b>Next Proof Load Test Due</b>	
27-03-2024		25-11-2021		AFTER ANY REPAIR/MODIFICATION	

Serial Number:	QTY	Description	SWL
12561691	01	<b>PIPE RACK</b> Dimension: 3.50 m (L) x 1.52 m (W) x 2.15 m (H) Fully Welded Steel Construction with Four Top Mounted Pad eyes Tare Weight: 1600 Kg Maximum Gross Weight: 7300 Kg	5700 KG

**Reference Standard:** BS7072\ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV1

<b>Pad Eyes Dimension:</b>	<b>Thickness:</b>	<b>Pin Hole:</b>	<b>Length:</b>	<b>Height:</b>
	26 mm	25 mm	140 mm	115 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?	YES	NO	✓
					With an interval of 12 months?	YES	NO
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO	✓	In accordance with an examination scheme? After the occurrence of exceptional circumstances?	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) YES by:

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>	
MOHAMED ABDULLAH	ASHRAF ELSAID		
<b>Date of Next Through Examination:</b>	18-03-2025		

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**

<b>Client:</b>	HALLIBURTON TSS	<b>Report No:</b>	QC-Halliburton-2024-0335-08A
<b>Location:</b>	TSS YARD	<b>Job Number:</b>	QC-Halliburton-2024-0335
<b>Date:</b>	19-Sep-2024	<b>Next Inspection Date:</b>	18-Mar-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>	SAP NO : 12561691
		<b>UNIT DIM :</b>	3.50 m (L) x 1.52 m (W) x 2.15 m (H)
		<b>Gross Weight:</b>	7300 Kg
		<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>	unit found satisfactory and free of defects at the time of inspection		
<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>		<b>SENIOR INSPECTOR:</b>	MAHMOUD ALI
<b>S.No:</b>	1657	<b>S.No:</b>	2722003	<b>S.No:</b>	201504052	<b>MOHAMED ABDULLAH</b>		<b>SUPERVISOR:</b>	ASHRAF ELSAID
<b>Cal Due Date:</b>	14-Oct-2024	<b>Cal Due Date:</b>	16-Oct-2024	<b>Cal Due Date:</b>	14-Oct-2024	<b>QUALIFICATION</b> ASNT LEVEL II MT & PT & VT		<b>CLIENT:</b>	
<b>Black Magnetic Ink Manufacture:</b>	Magnaflux	<b>Batch No:</b>	220605	<b>Expiry Date:</b>	JULY.2025	<b>STAMP &amp; SIGNATURE:</b>			
<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>				
	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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<b>Client Name:</b>	HALLIBURTON TSS	<b>Location:</b>	TSS YARD	<b>Job Number:</b>	QC-Halliburton-2024-0335

Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
D9697 D9678 D9676 D9705	04	<b><u>SAFETY PIN BOW SHACKLE</u></b>  SIZE: 3/4" GRADE: 6 MANUFACTURE: CROSBY S.F: 6:1 Location: Attached With Pipe Rack No : <b>12561691</b>	4.75 TON	N/A	27-03-2024

**Reference Standard:** BS EN 13889/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1

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	✓
Is 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

**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>	
MOHAMED ABDULLAH	ASHRAF ELSAID		
<b>Date of Next Through Examination:</b>	18-03-2025		

REV: 01 Dated: 20 June 2022  
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<b>Client Name:</b>	HALLIBURTON TSS	<b>Location:</b>	TSS YARD	<b>Job Number:</b>	QC-Halliburton-2024-0335

Serial Number:	QTY	Description	SWL	Date of manufacture if known:	Date of last thorough examination
D9713	01	<p><b><u>4 LEGS WIRE ROPE SLING</u></b></p> <p><b>Manufacture:</b> Safety Marine <b>S.F:</b> 5:1 <b>Dim:</b> 20 MM DIA x3M (L)</p> <p>IWRC, MECHANICALLY SPLICED WITH STEEL FERRULE C/W MASTER LINK ASSEMBLY HARD EYE BOTH ENDS</p> <p><b>Location:</b> Attached With Pipe Rack SAP No :12561696</p>	9.8 TON at 0-45° Angle	N/A	27-03-2024

<b>Reference Standard:</b>	BS EN 13414-1/ HAL DOC: WM-GL-HAL-HSE-0420F & WM-GL-HAL-HSE-0420C REV 1
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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?	YES	NO	✓
					With an interval of 12 months?	YES	NO
If the answer to the above question is YES has the equipment been installed correctly?	YES	NO		In accordance with an examination scheme? After the occurrence of exceptional circumstances?	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

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