

**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION





Client:	HALLIBURTON CEMENTING	Report No:	QC-B-02-25-0053-06												
Location:	IDC57	Job Number:	QC-B-02-25-0053												
Inspection Date:	20-Feb-2025	Inspection Due Date:	19-Aug-2025												
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 & ASTM E 1444 (2016) ASME V Article 7 (2019)												
		UNIT DESCRIPTION:	TOP PADEYES OF CEMENTING SILO												
		UNIT S/N:	10954528												
		UNIT DIM:	10ft (L) X 10ft (W) X 19ft (H)												
		<table border="1"> <thead> <tr> <th>PAD EYE S/N</th> <th>QTY</th> <th>BOTTOM PAD EYES DIMENSION</th> <th>REMARK</th> </tr> </thead> <tbody> <tr> <td>P01</td> <td rowspan="4">04</td> <td>Thickness :-30 MM</td> <td rowspan="4">Satisfactory</td> </tr> <tr> <td>P02</td> <td>Pin Hole :- 60 MM</td> </tr> <tr> <td>P03</td> <td>Length :- 130 MM</td> </tr> <tr> <td>P04</td> <td>Height :- 160 MM</td> </tr> </tbody> </table>		PAD EYE S/N	QTY	BOTTOM PAD EYES DIMENSION	REMARK	P01	04	Thickness :-30 MM	Satisfactory	P02	Pin Hole :- 60 MM	P03	Length :- 130 MM
PAD EYE S/N	QTY	BOTTOM PAD EYES DIMENSION	REMARK												
P01	04	Thickness :-30 MM	Satisfactory												
P02		Pin Hole :- 60 MM													
P03		Length :- 130 MM													
P04		Height :- 160 MM													
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															


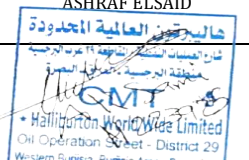
EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY		
EQUIPMENT :	AC/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3170 $\mu\text{w}/\text{cm}^2$	INSPECTOR NAME: Khaled Mahmoud		SENIOR INSPECTOR:	NAVEED HUSSAIN	
S.NO:	201504052	S.NO:	22650	S.NO:	1898977			QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	ASHRAF ELSAID
Cal Due Date:	11.APRIL.2025	Cal Due Date:	12.APRIL.2025	Cal Due Date:	11.APRIL.2025			STAMP & SIGNATURE:	CLIENT:	
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025				
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025				
TECHNICAL DETAILS		Black Magnetic Ink Manufacture:7HF								
Wet FLUORESCENT Particle Concentration 14 HF	0.1 to 0.4 ml/100 ml		Batch No:220605							
Digital Lux Meter WHITE LIGHT INTENSITY:	3670 Lux/S.NO:2722003									

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CERTIFICATION OF VISUAL THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON CEMENTING	Report No:	QC-B-02-25-0053-07							
Location:	IDC57	Job Number:	QC-B-02-25-0053							
Inspection Date:	20-Feb-2025	Inspection Due Date:	19-Aug-2025							
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 & ASTM E 1444 (2016) ASME SEC V Article 7 (2019)							
  		UNIT DESCRIPTION:	BOTTOM PADEYES OF CEMENTING SILO							
		UNIT S/N:	10954528							
		UNIT DIM:	10ft (L) X 10ft (W) X 19ft (H)							
		<table border="1"> <thead> <tr> <th>PAD EYE S/N</th> <th>QTY</th> <th>BOTTOM PAD EYES DIMENSION</th> <th>REMARK</th> </tr> </thead> <tbody> <tr> <td>P05 P06</td> <td>02</td> <td>Thickness :- 30 MM Pin Hole :- 60 MM Length :- 170 MM Height :- 160 MM</td> <td>Satisfactory</td> </tr> </tbody> </table>			PAD EYE S/N	QTY	BOTTOM PAD EYES DIMENSION	REMARK	P05 P06	02
PAD EYE S/N	QTY	BOTTOM PAD EYES DIMENSION	REMARK							
P05 P06	02	Thickness :- 30 MM Pin Hole :- 60 MM Length :- 170 MM Height :- 160 MM	Satisfactory							
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/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3170 $\mu\text{w}/\text{cm}^2$	INSPECTOR NAME: Khaled Mahmoud		SENIOR INSPECTOR:	NAVEED HUSSAIN	
S.NO:	201504052	S.NO:	22650	S.NO:	1898977			QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	ASHRAF ELSAID
Cal Due Date:	11.APRIL.2025	Cal Due Date:	12.APRIL.2025	Cal Due Date:	11.APRIL.2025			CLIENT:		
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025	STAMP & SIGNATURE:			
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025				
TECHNICAL DETAILS		Black Magnetic Ink Manufacture:7HF								
Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605						

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CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON CEMENTING	Report No:	QC-B-02-25-0053-08
Location:	IDC57	Job Number:	QC-B-02-25-0053
Inspection Date:	20-Feb-2025	Inspection Due Date:	19-Aug-2025
Type Of Inspection:	VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 & ASTM E 1444 (2016) ASME SEC V Article 7 (2019)
		UNIT DESCRIPTION:	LIFTING LUGS OF CEMENTING SILO
		UNIT S/N:	10954528
		UNIT DIMENSIONS:	10ft (L) X 10ft (W) X 19ft (H)
		LIFTING LUGS S/N:	L01 TO L04
		INSPECTION RESULT :	
VISUAL, THOROUGH EXAMINATION	unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage		
MAGNETIC PARTICLE INSPECTION	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/DC HAND Yoke	EQUIPMENT :	Shooting Coil DC	EQUIPMENT :	UV BLACK LIGHT: 3170 μw/cm ²	INSPECTOR NAME:	Khaled Mahmoud	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.NO:	201504052	S.NO:	22650	S.NO:	1898977	QUALIFICATION:	ASNT LEVEL II MT & PT & VT	SUPERVISOR:	ASHRAF ELSAID
Cal Due Date:	11.APRIL.2025	Cal Due Date:	12.APRIL.2025	Cal Due Date:	11.APRIL.2025		STAMP & SIGNATURE:	CLIENT:	
FLUORESCENT 14HF	Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025				
Whie Contrast Paint Manufacture:	Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025				
TECHNICAL DETAILS	Black Magnetic Ink Manufacture:ZHE		Batch No:220605						
Digital Lux Meter WHITE LIGHT INTENSITY:	3670 Lux/S.NO:2722003		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml	Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml	
Cal Due Date:13.APRIL.2025	EXPIRE DATE:		1-Jul-2025						