

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

Basra, North Rumaila, Quality Control Yard - Iraq

#### **30" SHEAVE BLOCK ANNUALLY EXTENDED MAINTENANCE REPORT**

Halliburton	Certificate No:	QC-24-06-28-WPS-002		
WPS	Job No:	280624		
28.June.2024	Next Inspection Date:	27.June.2025		
Inspection Details				
30 INCH SHEAVE BLOCK ASSEMBLY	10 INCH SHEAVE BLOCK ASSEMBLY Inspection Type: Mpi, Dpi & E			
API RP 9B / ASTM E709 / ASTM E165	Halliburton Document No:	D01982668, D01026300.		
SHEAVE-3959	SAP No:	12795993		
30,000 LBS	Wire Rope Diameter:	15/32"		
	WPS  28.June.2024  Inspection  30 INCH SHEAVE BLOCK ASSEMBLY  API RP 9B / ASTM E709 / ASTM E165  SHEAVE-3959	WPS Job No:  28.June.2024 Next Inspection Date:  Inspection Details  30 INCH SHEAVE BLOCK ASSEMBLY Inspection Type:  API RP 9B / ASTM E709 / ASTM E165 Halliburton Document No:  SHEAVE-3959 SAP No:		

#### **Inspection Procedure**

01-Wash thoroughly to remove all of the dirt and mud.

02-Do not direct high pressure spray onto the face of bearings to prevent water displacing of the grease.

03-Make a visual inspection, check for no evidence of corrosion, cracks or fractures on the wheel frame that undermine its operational capabilities or safety. Inspect the cable groove all around the sheave wheel.

04-Using the Sheave Gauge and using as reference the Sheave Groove Inspection guidelines D01026300 determine if the groove is in specifications. If worn too much, it will begin to wear the cable unevenly. The sheave should be changed if this is the case.

05-Check that the nameplate is intact and legible.

06-Rotate sheave freely and crack for wobble. Any excessive play could indicate a worn or damaged bearing. This must be repaired by replacing the sheave wheel, bearing assembly or the shaft.

07-Check the operation of the Guard Door (30")

08-Rotate clevis swivel to ensure operation.

09-Check the bolts and frame for damage.

10-Mount - Clevis - Finished- sheave - 30 Inch performed Dye penetrant / Magnetic Particle Inspection. Replace if it fails the dye penetrant / MPI Testing.

11-Visually Inspect Locknut, Clevis, Shaft, 30 IN Sheave for any cracks or corrosion or ware.

12-Visually inspect shaft- Clevis- Threaded-Sheave-30 IN for cracks, corrosion or bending

## **Inspector Details**

Inspector Name:	M.Shahzad Ahmed	
Inspector Qualification:	ASNT LEVEL II ( MT & PT & VT )	
person authenticating this report:	HANI ALI	



Signature & Stamp:



Client Signature & Stamp:

ALi Talib HB48903 Date: 29/06/2024 Signature Haliburton

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Email: ashraf.said@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

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15.827 mm

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# 30" SHEAVE BLOCK ANNUALLY EXTENDED MAINTENANCE REPORT

Client: Halliburton			Certificate No:	QC-24-06-28	3-WPS-002
Location	on:	WPS	Job No:	280624	
Inspection	Inspection Date: 28.June		Next Inspection Date:	27.June	e.2025
Inspection Details					
Unit Descr	iption:	30 INCH SHEAVE BLOCK ASSEMBLY	Inspection Type:	Extended Maintenance Chec	
Ref Stan	dard:	API RP 9B	Halliburton Document No:	D01982668, D01026300.	
Serial Nu	mber:	SHEAVE-3959	SAP No:	12795	5993
Rated Cap	pacity:	30,000 LBS	Wire Rope Diameter:	15/32"	
		<b>Depth Measurements of</b>	30 Inch Sheaves Who	eel	
Wire Rope Dia: Actual Groove Depth Min Alloawble Groove Depth Ro				Result	

Padius	Massuramanta	of 30 Inch	Sheaves Wheel
RAUIUS	Measurements	5 OI -DU IIIC-II	Olleaves wileel

Wire Rope Dia:	Actual Groove Radius	Groove Radius Mini Worn.	Groove Radius Mini New.	Groove Radius Max	Result
11.90 mm	6.415 mm	6.09 mm	6.307 mm	6.545 mm	Pass



45.55 mm





Inspection Result	PASS	FAIL
Visual & Dimension Checks (found free from deforms, cracks, Wear, corrosion & mechanical damage)	/	

## **Inspector Details**

Inspector Name:	M.Shahzad Ahmed	
Inspector Qualification:	ASNT LEVEL II ( MT & PT & VT )	
person authenticating this report:	HANI ALI	



**Pass** 

Signature & Stamp:

Systemul Company

Client Signature & Stamp:

ALI Talib HB48903
Date: 29/06/2024
Signature
Haliburton

ISO LEEA

11.90 mm

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#### 30" SHEAVE BLOCK ANNUALLY EXTENDED MAINTENANCE REPORT

Client:	Halliburton	Certificate No:	QC-24-06-28-WPS-002		
Location:	WPS	Job No:	280624		
Inspection Date:	28.June.2024	Next Inspection Date:	27.June.2025		
Inspection Details					
Unit Description:	Magnetic Particle Inspection				
Ref Standard:	ASTM E709	Halliburton Document No:	D01982668, D01026300.		
Serial Number:	SHEAVE-3959	SAP No:	12795993		
Rated Capacity:	30,000 LBS	Wire Rope Diameter:	15/32"		







Inspection Result	PASS	FAIL
Visual Examination ( found free from deforms, cracks, corrosion & mechanical damage )	/	
Magnetic Particle Inspection ( Welds & forgn areas free from cracks and other defects )	/	

	Equipment Details						
Black Magnetic Ink :	Magnaflux	Batch No:	220605	Expiry Date:	July.2025		
Whie Contrast :	Magnaflux	Batch No:	220602	Expiry Date:	July.2025		
Yoke :	AC/DC Yoke	Serial No:	201504052	Calibration Due Date:	14.October.2024		
Magnetic Partical Concentration:	1.2 to 2.4 /100 ml	Method:	Wet MPT	WMPT Light Intensity:	3630 Lux		

## **Inspector Details**

Inspector Name:	M.Shahzad Ahmed
Inspector Qualification:	ASNT LEVEL II ( MT & PT & VT )
person authenticating this report:	HANI ALI



Signature & Stamp:



Client Signature & Stamp:

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#### 30" SHEAVE BLOCK ANNUALLY EXTENDED MAINTENANCE REPORT QC-24-06-28-WPS-002 Client: Halliburton **Certificate No:** Location: **WPS** Job No: 280624 **Inspection Date:** 28.June.2024 **Next Inspection Date:** 27.June.2025 **Inspection Details 30 INCH SHEAVE Unit Description:** Inspection Type: **Dye Penetrant Inspection ASTM E165** D01982668, D01026300. Ref Standard: **Halliburton Document No:** Serial Number: SHEAVE-3959 SAP No: 12795993 **Rated Capacity:** 30,000 LBS Wire Rope Diameter: 15/32"





Inspection Result PASS FAIL									
Visual Examir		/							
Dye Penetrant Inspection ( Welds & forgn areas free from cracks and other defects )									
Equipment Details									
Red Penetrant:	Magnaflux	Batch No:	220511	Exp	Expiry Date:		May,2025		
Developer:	Magnaflux	Batch No:	220302	Expiry Date: March,2025			n,2025		
Penetrant Dwell Time:	30 M	inutes	Developer Dwell	Time:	1	5 Minutes			
Test Part Temperature:	98 °F White Light Intensity: 3160 Lux								
Technical Details:		Technique 2	- Type Ii Visible, Method '	A' Water - W	ashable				
		Inspecto	r Details						

Inspector Details

Inspector Name:	M.Shahzad Ahmed
Inspector Qualification:	ASNT LEVEL II ( MT & PT & VT )
nerson authenticating this report:	ΗΔΝΙ ΔΙΙ



Signature & Stamp:



Client Signature & Stamp:

ALI Talib HB48903
Date: 29/06/2024
Signature \_\_\_\_\_\_
Haliburton



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#### **Photos Annexes**





















#### **Inspector Details**

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Inspector Qualification:	ASNT LEVEL II ( MT & PT & VT )
person authenticating this report:	HANI ALI



Signature & Stamp:



Client Signature & Stamp:



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