

30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.JUNE.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.JUNE.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	WPS-QC-6-23-10	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO:	SHAEAVE-3959	SAP NO:	12795993	

PROCEDURE

Equipment :	30 INCH SHEAVE BLOCK ASSEMBLY 30 IN-15/32-CABLE
SN:	SHEAVE-3959
SAP NO:	12795993
Ref Standard:	API RP 9B / ASTM E709/ASTM E165
Halliburton Document No:	D01982668, D01026300.

Sheave Wheels & Pins with The following specification:.

QTY:	01
Inspection Frequency:	Annually
Rated Capacity:	30000 LBS
Wire Rope Diameter:	15/32"
Sheaves Size :	30 Inch

Remarks:

Detailed reports are attached detailing all readings and results in -01 of 05- pages.

	Inspector:	AIZAZ FARHAT	Signature Halliburton	Supervisor:	HANI ALI
			Signature Halliburton		



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PROCEDURE

- The Products Have Been Inspected and Found Them Conformable to Relevant

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

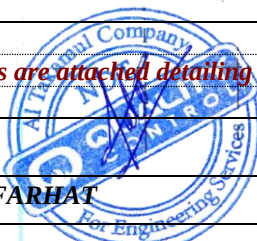
INSPECTION RESULT

**** Visual, MPI & DPT was carried out on the available critical areas of the Sheaves & Pins**

and found Accept at the time of inspection

Remarks:

Detailed reports are attached detailing all readings and results in -02 of 05- pages.



ALI Talib HB48903

Date 19,JUN,2023

Signature
Halliburton

Inspector: AIZAZ FARHAT

Supervisor:

HANI ALI



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Depth Measurements of 30 Inch Sheaves Wheel

SHEAVE NO:	WIRE ROPE DIA:	ACTUAL GROOVE DEPT.	MIN ALLOWABLE GROOVE DEPT	Result
SHEAVE-3959	11.90mm	45.57 mm	15.827 mm	ACCEPTABLE

Radius Measurements of 30 Inch Sheaves Wheel

SHEAVE NO:	WIRE ROPE DIA:	ACTUAL GROOVE RADIUS.	GROOVE RADIUS MINI WORN.	GROOVE RADIUS MINI NEW.	GROOVE RADIUS MAXI.	Result
SHEAVE-3959	11.90mm	6.417 mm	6.09 mm	6.307mm	6.545mm	ACCEPTABLE

Remarks:

Detailed reports are attached detailing all readings and results in -03 of 05- pages.



ALI Talib HB48903

Date 19,JUN,2023

Signature
Halliburton

Inspector: AIZAZ FARHAT

Supervisor:

HANI ALI



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

Basra, North Rumaila, Quality Control Yard - Iraq

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SERIAL NO:	SHAEAVE-3959	SAP NO:	12795993	

Pictorial



Remarks:

Detailed reports are attached detailing all readings and results in -04 of 05- pages.



ALI Talib HB48903

Date 19,JUN,2023

**Signature
Haliburton**

Inspector: AIZAZ FARHAT

Supervisor:

HANI ALI



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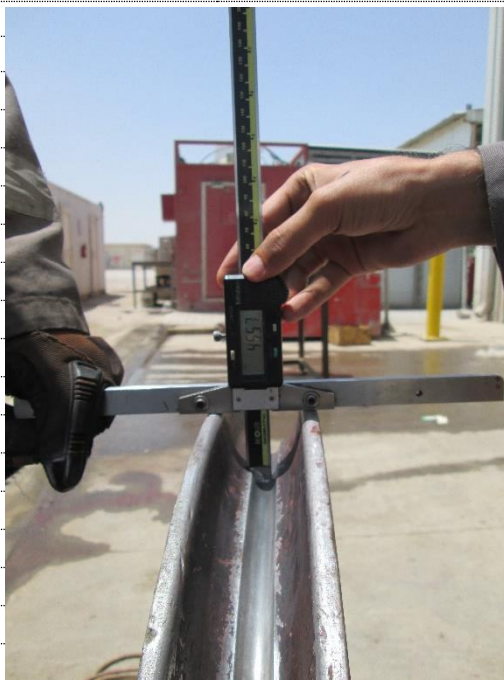
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SERIAL NO:	SHAEAVE-3959	SAP NO:	12795993	

Pictorial



Remarks:

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ALI Talib HB48903

Date 19,JUN,2023

**Signature
Halliburton**

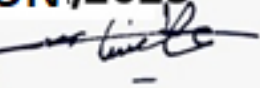
Inspector: AIZAZ FARHAT

Supervisor:

HANI ALI



CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION			
Client:	HALLIBURTON	Report No:	WPS-QC-6-23-10A
Location:	HALLIBURTON WPS	Job Number:	-
Date:	19-6-2023	Next Inspection Date:	18-6-2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION		Specification:
		Halliburton Doc	Halliburton Doc. D01982668
		UNIT DESCRIPTION:	30" SHEAVE BLOCK ASSEMBLY
		UNIT S/N:	SHEAVE-3959
		SAP NO:	12795993
		WORKING LOAD	30000 LBS
		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:	Astm Test Block	Equipment:	Digital Lux Meter WHITE LIGHT INTENSITY: 1410 lux	Equipment:	AC/DC Yoke PERMANET HAND MAGNATIC	INSPECTOR NAME:		SENIOR INSPECTOR:	MUHAMMAD NAQQASH
S.No:	1657	S.No:	1932401 2722003	S.No:	201504048 USA PYO-019CM (PY-02)	WAQAS AWAN		SUPERVISOR:	HANI ALI
Cal Due Date:	18.AUG.2023	Cal Due Date:	18.AUG.2023	Cal Due Date:	18.AUG.2023	QUALIFICATION: ASNT LEVEL II MT & PT & VT		CLIENT:	ALI Talib HB48903 Date 19,JUN,2023 Signature  Haliburton
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		TECH		Black Magnetic Ink Manufacture:7HF					
		Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		Batch No:220605			
		Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE:		Jul-25	
Original - Client Files		Copy - Area Office		QC/FN/MPI/065		Rev.00		DATED 07 NOV 2021	



Corporate Partner



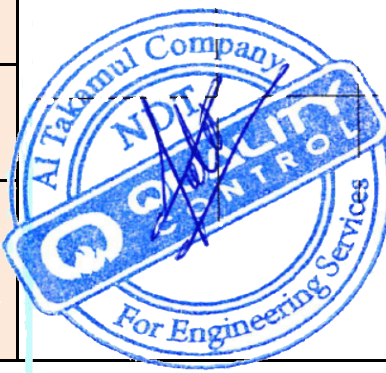
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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL THOROUGH EXAMINATION & DYE PENETRANT INSPECTION									
Client:	HALLIBURTON				Report No:	WPS-QC-6-23-10B			
Location:	HALLIBURTON WPS				Job Number:	-			
Date:	19-6-2023				Next Inspection Date:	18-6-2024			
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)				Specification:	ASTM E165, ST-GL-HAL-WPS-1705			
					Halliburton Doc	Halliburton Doc. D01982668			
					UNIT DESCRIPTION:	30" SHEAVE			
					UNIT S/N:	SHEAVE-3959			
					SAP NO:	12795993			
					WORKING LOAD	30000 LBS			
					INSPECTION RESULT :				
					VISUAL , THOROUGH EXAMINATION		Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage		
					DYE PENETRANT INSPECTION (DPI)		Grooves areas inspected and found freedom from cracks and other defects		
					FINAL RESULTS		Above Item found satisfactory and free of defects at the time of inspection		
					TECHNICAL DETAILS				
TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE									
PENETRANT DWELL TIME:		30 minutes		DEVELOPER DWELL TIME:		15 minutes			
Test Part Temperature:		83 °F		WHITE LIGHT INTENSITY:		1410 LUX			
EQUIPMENT DETAILS						PERSONNEL DETAILS		REVIEW BY	
EQUIPMENT :	COMPARATOR BLOCK	EQUIPMENT :	Digital Lux Meter	EQUIPMENT :	INFRARED THERMOMETER	INSPECTOR NAME:	WAQAS AWAN	SENIOR INSPECTOR:	MUHAMMAD NAQQASH
S.N:	11223	S.N:	2722003	S.N:	201704125	QUALIFICATION:	ASNT LEVEL II MT, PT, VT, UT	SUPERVISOR:	HANI ALI
Cal Due Date:	18,AUG,2023	Cal Due Date:	20,AUG,2023	Cal Due Date:	20,AUG,2023			CLIENT: ALI Talib HB48903 Date 19,JUN,2023 Signature  Halliburton	
Red Penetrant Manufacture:	Magnaflux	Batch No:	220511	EXPIRE DATE:	May,2025				
Developer Manufacture:	Magnaflux	Batch No:	220302	EXPIRE DATE:	March,2025				
WATER PRESSURE	30 PSI	P. GAUGE	SSR825	DUE CAL DATE:	18,AUG,2023				
Original - Client Files						Copy - Area Office			
QC/FN/DPI/NDT/022						Rev.00 Dated: 07 Nov 2021			



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