


30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	02.AUG.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	01.AUG.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	WPS-QC-8-23-3	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4130	SAP NO	'12768840	

PROCEDURE

Equipment :	30 INCH SHEAVE BLOCK ASSEMBLY 30 IN-15/32-CABLE
SN:	SHEAVE-4130
SAP NO:	'12768840
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.

ALI Talib HB48903

Date: 03-08-2023

Signature
Haliburton


Inspector: AIZAZ FARHAT

Supervisor:

HANI ALI



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	02.AUG.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	01.AUG.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	WPS-QC-8-23-3	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4130	SAP NO	'12768840	

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.

Inspector:	AIZAZ FARHAT	ALI Talib HB48903 Date: 03-08-2023 Signature Halliburton	Supervisor:	HANI ALI
------------	--------------	---	-------------	----------



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

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	02.AUG.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	01.AUG.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	WPS-QC-8-23-3	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4130	SAP NO	'12768840	

Depth Measurements of 30 Inch Sheaves Wheel

SHEAVE NO:	WIRE ROPE DIA:	ACTUAL GROOVE DEPT.	MIN ALLOWABLE GROOVE DEPT	Result
SHEAVE-4130	11.90mm	45.90 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-4130	11.90mm	6.429 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: 03-08-2023

Signature
Haliburton

Inspector: AIZAZ FARHAT

Supervisor:

HANI ALI



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

Basra, North Rumaila, Quality Control Yard - Iraq

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

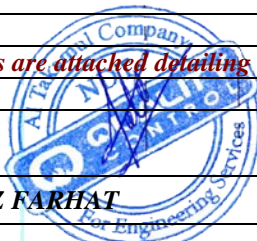
Customer:	HALLIBURTON (WPS)	Date of Inspection:	02.AUG.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	01.AUG.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	WPS-QC-8-23-3	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4130	SAP NO	'12768840	

Pictorial



Remarks:

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



ALI Talib HB48903

Date: 03-08-2023

Signature
Halliburton


Inspector: **AIZAZ FARHAT**

Supervisor:

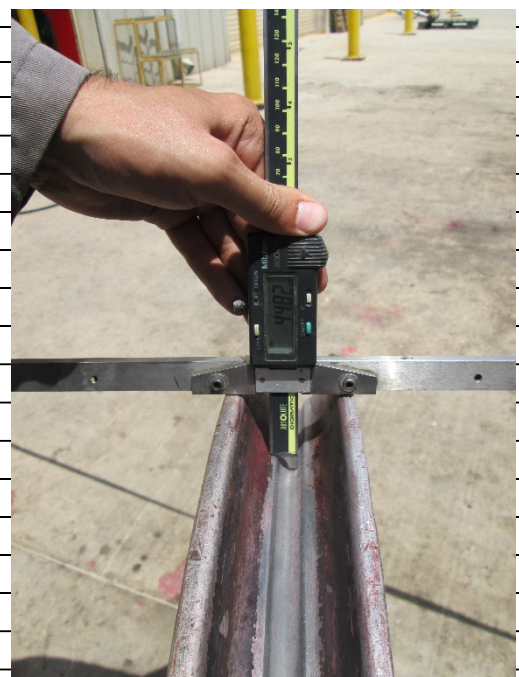
HANI ALI



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	02.AUG.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	01.AUG.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	WPS-QC-8-23-3	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4130	SAP NO	'12768840	

Pictorial



Remarks:

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

ALI Talib HB48903

Date: 03-08-2023

Signature
Halliburton

Inspector: AIZAZ FARHAT



Supervisor:


HANI ALI



CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON	Report No:	WPS-QC-8-23-3A
Location:	HALLIBURTON WPS	Job Number:	-
Date:	2/8/2023	Next Inspection Date:	1/8/2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 , ST-GL-HAL-WPS-1705

	Halliburton Doc	Halliburton Doc. D01982668
	UNIT DESCRIPTION:	30" SHEAVE BLOCK ASSEMBLY
	UNIT S/N:	SHEAVE-4130
	SAP NO:	12768840
	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)	NAVEED HUSSAIN		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: 03-08-2023 Signature Halliburton
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025			
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025			
TECH		Black Magnetic Ink Manufacture:7HF		Batch No:220605					
Wet FLUORESCENT Particle Concentration 14 HF		0.1 to 0.4 ml/100 ml		EXPIRE DATE:		Jul-25			
Black Magnetic Ink Concentration 7 HF		1.2 to 2.4 ml/100 ml		EXPIRE DATE:		Jul-25			
TECHNICAL DETAILS						STAMP & SIGNATURE:			
Original - Client Files		Copy - Area Office		QC/FN/MPI/065 Rev.00		DATED 07 NOV 2021			



Corporate Partner






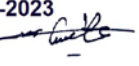
Address: Noth Rumaila, AI Takamul Yard
Contact: +9647810009138

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com

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-8-23-3B				
Location:	HALLIBURTON WPS			Job Number:					
Date:	2/8/2023			Next Inspection Date:	1/8/2024				
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-4130				
				SAP NO:	12768840				
				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:	109 °F		WHITE LIGHT INTENSITY:	3510 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: 03-08-2023 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	



Corporate Partner



Address: North Rumaila, Al Takamul Yard
Contact: +9647810009138

Tel: +9647810009138 / +9647834964657

Email: OP@qualitycontrol-iraq.com / hany.akafi@qualitycontrol-iraq.com