

30" SHEAVE BLOCK ANNUALLY EXTENDED MAINTENANCE REPORT

Client:	Halliburton	Certificate No:	QC-24-06-WPS-002
Location:	WPS	Job No:	200624
Inspection Date:	20.June.2024	Next Inspection Date:	19.June.2025


Inspection Details


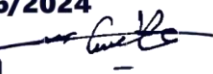
Unit Description:	30 INCH SHEAVE BLOCK ASSEMBLY	Inspection Type:	Mpi, Dpi & Extended Maintenance
Ref Standard:	API RP 9B / ASTM E709 / ASTM E165	Halliburton Document No:	D01982668, D01026300.
Serial Number:	SHEAVE-4129	SAP No:	12768839
Rated Capacity:	30,000 LBS	Wire Rope Diameter:	15/32"

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: 21/06/2024 Signature Haliburton 
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Inspection Details

Unit Description:	30 INCH SHEAVE BLOCK ASSEMBLY	Inspection Type:	Extended Maintenance Check
Ref Standard:	API RP 9B	Halliburton Document No:	D01982668, D01026300.
Serial Number:	SHEAVE-4129	SAP No:	12768839
Rated Capacity:	30,000 LBS	Wire Rope Diameter:	15/32"

Depth Measurements of 30 Inch Sheaves Wheel

Wire Rope Dia:	Actual Groove Depth	Min Allowable Groove Depth	Result
11.90mm	45.56 mm	15.827 mm	Pass

Radius Measurements of 30 Inch Sheaves Wheel


Wire Rope Dia:	Actual Groove Radius	Groove Radius Mini Worn.	Groove Radius Mini New.	Groove Radius Max	Result
11.90mm	6.429 mm	6.09 mm	6.307mm	6.545mm	Pass



Inspection Result

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	

Signature & Stamp:



Client Signature & Stamp:

ALI Talib HB48903

Date: 21/06/2024

**Signature
Haliburton**

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Inspection Date:	20.June.2024	Next Inspection Date:	19.June.2025

Inspection Details

Unit Description:	30 INCH SHEAVE BLOCK ASSEMBLY	Inspection Type:	Magnetic Particle Inspection
Ref Standard:	ASTM E709	Halliburton Document No:	D01982668, D01026300.
Serial Number:	SHEAVE-4129	SAP No:	12768839
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:	12.August.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:

ALI Talib HB48903
Date: 21/06/2024
**Signature
Haliburton**

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Inspection Date:	20.June.2024	Next Inspection Date:	19.June.2025

Inspection Details

Unit Description:	30 INCH SHEAVE	Inspection Type:	Dye Penetrant Inspection
Ref Standard:	ASTM E165	Halliburton Document No:	D01982668, D01026300.
Serial Number:	SHEAVE-4129	SAP No:	12768839
Rated Capacity:	30,000 LBS	Wire Rope Diameter:	15/32"




Inspection Result



	PASS	FAIL
Visual Examination (found free from deforms, cracks, corrosion & mechanical damage)	✓	
Dye Penetrant Inspection (Welds & forgn areas free from cracks and other defects)	✓	

Equipment Details

Red Penetrant:	Magnaflux	Batch No:	220511	Expiry Date:	May,2025
Developer:	Magnaflux	Batch No:	220302	Expiry Date:	March,2025
Penetrant Dwell Time:	30 Minutes		Developer Dwell Time:		15 Minutes
Test Part Temperature:	98 °F		White Light Intensity:		3160 Lux
Technical Details:	Technique 2 - Type II Visible, Method 'A' Water - Washable				

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: 21/06/2024 Signature Haliburton 
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