


30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.SEP.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.SEP.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-SEP-HALL-WPS-005B	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	'SHEV-4124	SAP NO.	12975058	

PROCEDURE

Equipment :	30 INCH SHEAVE BLOCK ASSEMBLY 30 IN-15/32-CABLE
SN:	'SHEV-4124
SAP NO.	12975058
Ref Standard:	API RP 9B / ASTM E709/ASTM E165
Halliburton Document No:	D01982668, D01026300.

Sheave Wheels & Pins with The following specification:


QTY:	One
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 06- pages.

Name of Inspector: NAVEED & SHAZAD	Name of person authenticating this report: RAO S... 	Signature & Stamp: ALI Talib HB48903 Date: 17-09-2024 Signature  Haliburton
QUALIFICATION: ASNT LEVEL II		
MT & PT& VT & UT		

30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.SEP.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.SEP.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-SEP-HALL-WPS-005B	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	'SHEV-4124	SAP NO.	12975058	

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 -01 of 06- pages.

Name of Inspector: NAVEED & SHAZAD	Name of person authenticating this report: RAO S... 	Signature & Stamp: ALI Talib HB48903 Date: 17-09-2024 Signature  Haliburton
QUALIFICATION: ASNT LEVEL II		
MT & PT & VT & UT		



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.SEP.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.SEP.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-SEP-HALL-WPS-005B	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	'SHEV-4124	SAP NO.	12975058	

Depth Measurements of 30 Inch Sheaves Wheel


SHEAVE DIM:	WIRE ROPE DIA:	ACTUAL GROOVE DEPT.	MIN ALLOWABLE GROOVE DEPT	Result
	11.90mm	45.73 mm	15.827 mm	ACCEPTABLE

Radius Measurements of 30 Inch Sheaves Wheel

SHEAVE DIM:	WIRE ROPE DIA:	ACTUAL GROOVE RADIUS.	GROOVE RADIUS MINI WORN.	GROOVE RADIUS MINI NEW.	GROOVE RADIUS MAXI.	Result
	11.90mm	6.431 mm	6.09 mm	6.307mm	6.545mm	ACCEPTABLE

Remarks:

Detailed reports are attached detailing all readings and results in -01 of 06- pages.

Name of Inspector: NAVEED & SHAZAD	Name of person authenticating this report: RAO S... 	Signature & Stamp: ALI Talib HB48903 Date: 17-09-2024 Signature  Haliburton
QUALIFICATION: ASNT LEVEL II		
MT & PT & VT & UT		



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.SEP.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.SEP.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-SEP-HALL-WPS-005B	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	'SHEV-4124	SAP NO.	12975058	

PARTICLES IMAGES




Remarks:

Detailed reports are attached detailing all readings and results in -01 of 06- pages.

Name of Inspector: NAVEED & SHAZAD	Name of person authenticating this report: RAO S...	Signature & Stamp:
QUALIFICATION: ASNT LEVEL II		ALI Talib HB48903
MT & PT& VT & UT		Date: 17-09-2024 Signature Haliburton

30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.SEP.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.SEP.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-SEP-HALL-WPS-005B	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	'SHEV-4124	SAP NO.	12975058	

PARTICLES IMAGES



Remarks:

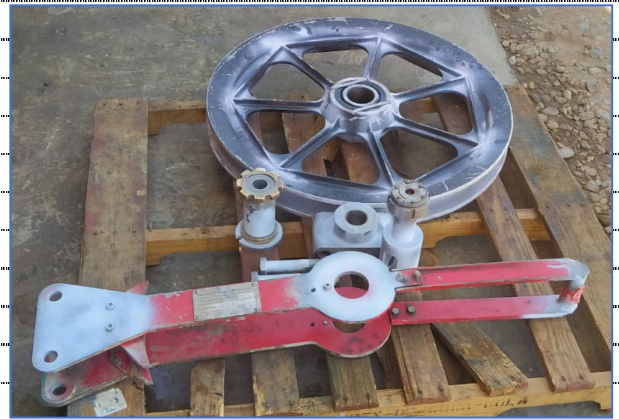
Detailed reports are attached detailing all readings and results in -01 of 06- pages.

Name of Inspector: NAVEED & SHAZAD	Name of person authenticating this report: RAO SANKAR	Signature & Stamp:
QUALIFICATION: ASNT LEVEL II		ALI Talib HB48903
MT & PT& VT & UT		Date: 17-09-2024 Signature Haliburton

30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	17.SEP.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	16.SEP.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-SEP-HALL-WPS-005B	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	'SHEV-4124	SAP NO.	12975058	

PARTICLES IMAGES



Remarks:

Detailed reports are attached detailing all readings and results in -01 of 06- pages.

Name of Inspector: NAVEED & SHAZAD	Name of person authenticating this report: RAO S...	Signature & Stamp:
QUALIFICATION: ASNT LEVEL II		ALI Talib HB48903
MT & PT & VT & UT		Date: 17-09-2024 Signature Haliburton

CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON WPS	Report No:	WPS-QC-24-SEP-005	
Location:	WPS WORKSHOP	Job Number:	20240917	
Inspection Date:	Tuesday, September 17, 2024	Next Inspection Date:	Tuesday, September 16, 2025	
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION		Specification:	ASTM E709 , D01026300


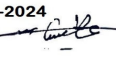


Halliburton Doc	Halliburton Doc. D01982668
UNIT DESCRIPTION:	30" SHEAVE BLOCK ASSEMBLY
UNIT S/N:	SHEV-4124
SAP NO:	12975058
WORKING LOAD	30000 LBS





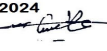
INSPECTION RESULT :	
VISUAL , THOROUGH EXAMINATION	unit fully inspected and found free from deforms, cracks, corrosion & mechanical damage
MAGNETIC PARTICLE INSPECTION	forgn areas inspected and found free from cracks and other defects
FINAL RESULTS	unit found satisfactory and free of defects at the time of inspection

COMMENT:
Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast
(MPI Wet Fluorescent inspection Thread With UltraViolet Light)



EQUIPMENT DETAILS						PERSON DETAILS		REVIEW BY		
Equipment:	AC-Yoke Test Block	Equipment:	Digital Lux Meter	Equipment:	AC/DC Yoke	INSPECTOR NAME: RAO SOHAIL		SENIOR INSPECTOR:	NAVEED HUSSAIN	
S.No:	1657	S.No:	2722003	S.No:	201504052			QUALIFICATION: ASNT LEVEL II MT & PT & VT	SUPERVISOR:	HANI ALI
Cal Due Date:	14-Oct-24	Cal Due Date:	16-Oct-24	Cal Due Date:	14-Oct-24			STAMP & SIGNATURE:	CLIENT:	ALI Talib HB48903 Date: 17-09-2024 Signature:  Halliburton
Black Magnetic Ink Manufacture:	Magnaflux	Batch No:	220605	Expiry Date:	JULY,2025					
Whie Contrast Paint Manufacture:	Magnaflux	Batch No:	220602	Expiry Date:	JUN,2025					
Technical Details:	Magnetic Partical Concentration		Method		WMPT Light Intensity					
	1.2 to 2.4 ml/100 ml		Wet Magnetic Particle Testing (WMPT)		3500 Lux					

Original - Client Files Copy - Area Office QC/FN/MPI/065 Rev.00 DATED 07 NOV 2021

CERTIFICATION OF VISUAL THOROUGH EXAMINATION & DYE PENETRANT INSPECTION														
Client:	HALLIBURTON WPS				Report No:	WPS-QC-24-SEP-005A								
Location:	WPS WORKSHOP				Job Number:	20240917								
Inspection Date:	Tuesday, September 17, 2024				Next Inspection Date:	Tuesday, September 16, 2025								
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)				Specification:	ASTM E165, D01982668, D01026300								
 					Halliburton Doc	Halliburton Doc. D01982668								
					UNIT DESCRIPTION:	30" SHEAVE								
					UNIT S/N:	SHEAVE-4124								
					SAP NO:	12975058								
					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)					forgn 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:		107 °F		WHITE LIGHT INTENSITY:		3500 LUX								
EQUIPMENT DETAILS					PERSONNEL DETAILS			REVIEW BY						
EQUIPMENT :	COMPARATOR BLOCK	EQUIPMENT :	Digital Lux Meter	EQUIPMENT :	INFRARED THERMOMETER			INSPECTOR NAME:	RAO SOHAIL	SENIOR INSPECTOR:	NAVEED HUSSAIN			
S.N:	11223	S.N:	2722003	S.N:	201704125			QUALIFICATION:	ASNT LEVEL II MT & PT& VT & UT	SUPERVISOR:	HANI ALI			
Cal Due Date:	16,OCT,2024	Cal Due Date:	16,OCT,2024	Cal Due Date:	16,OCT,2024				SIGNATURE:	CLIENT:	Ali Talib HB48903 Date: 17-09-2024 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	PRESSURE GAUGE	SSR825	DUE CAL DATE:	16,OCT,2024									

Original - Client Files Copy - Area Office QC/FN/DPI/NDT/022 Rev.00 Dated: 07 Nov 2021