Basra, North Rumaila, Quality Control Yard - Iraq Tel: +9647810009138 / +9647834964657



30 INCH SHEAVE BLOCK ANNUALLY INSPECTION CERTIFICATE

Customer:	HALLIBURTON (WPS)	Date of Inspection:	27.APRIL.2024	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	26.APRIL.2025	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	QC-24-APR- HALL-WPS-002	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4128	SAP NO.	12980571	

Equipment : 30 INCH SHEAVE BLOCK ASSEMBLY 30 IN-15/32 SN: SHEAVE-4128 SAP NO. 12980571 Ref Standard: API RP 9B / ASTM E709/ASTM E165 Halliburton Document No: D01982668, D01026300.
SAP NO. 12980571 Ref Standard: API RP 9B / ASTM E709/ASTM E165
Halliburton Document No: D01982668, D01026300.
QTY: One
Inspection Frequency: Annually

Remarks:

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

Name of Inspector:
NAVEED & SHAZAD

QUALIFICATION:
ASNT LEVEL II

MT & PT& VT & UT

Name of Enspector:
Name of Enspector:
Name of Inspector:
Name of Inspector:
Signature & Stamp:

ALI Talib HB48903
Date: 27-04-2024
Signature
Haliburton





















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SERIAL NO.	SHEAVE-4128	SAP NO.	12980571	

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:

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SERIAL NO.	SHEAVE-4128	SAP NO.	12980571	

 Depth Measurements of 30 Inch Sheaves Wheel						
SHEAVE NO:	WIRE ROPE DIA:	ACTUAL GROOVE DEPT.	MIN ALLOWABLE GROOVE DEPT	Result		
SHEAVE-4128	11.90mm	45.68 mm	15.827 mm	ACCEPTABLE		

 Radius Measurements of 30 Inch Sheaves Wheel						
SHEAVE NO: WIRE ROPE DIA:		ACTUAL GROOVE RADIUS.	GROOVE RADIUS F	GROOVE RADIUS MINI NEW. GROOVE RADIUS MAXI.	Result	
SHEAVE-4128	11.90mm	6.429 mm	6.09 mm	6.307mm	6.545mm	ACCEPTABLE

Remarks:
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Name of Inspector: NAVEED & SHAZAD	Name of reson the enticating this report:	Signature & Stamp:
QUALIFICATION: ASNT LEVEL II	CONTROL SAID	ALi Talib HB48903 Date:27-04-2024
MT & PT& VT & UT	The state of the s	Signature (metcon





















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Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D01982668, D01026300.	
SERIAL NO.	SHEAVE-4128	SAP NO.	12980571	



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

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QUALIFICATION: ASNT LEVEL II	SAID	ALi Talib HB48903 Date:27-04-2024
MT & PT& VT & UT	3	Signature wells Haliburton





















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SERIAL NO.	SHEAVE-4128	SAP NO.	12980571	

PARTICLES IMAGES







Remarks:

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PARTICLES IMAGES











Remarks:

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

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NAVEED & SHAZAD

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ASNT LEVEL II

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Name of Inspector:
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Name of Inspector:
Signature & Stamp:

ALI Talib HB48903
Date:27-04-2024
Signature
Haliburton





















Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL, THOROUGH EXAMINATON & MAGNETIC PARTICLE INSPECTION									
Client: HALLIBURTON WPS Report No: QC-24-APR- HALL-WPS-02A									
Location:	WPS WORKSHOP	Job Number:	QC-23-04-HALL-038						
Inspection Date:	Saturday, April 27, 2024	Next Inspection Date:	Saturday, April 26, 2025						
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION	Specification:	ASTM E709 , D01026300						



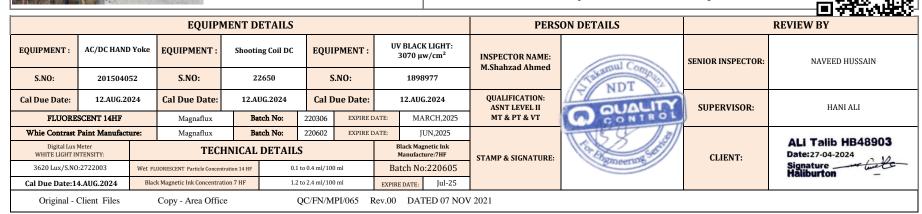
Halliburton Doc	Halliburton Doc. D01982668			
UNIT DESCRIPTION:	30" SHEAVE BLOCK ASSEMBLY			
UNIT S/N:	SHEAVE-4128			
SAP NO:	12980571			
WORING LOAD	30000 LBS			

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

COMMENT:

Magnetic Particle Inspection With A/C Hand Yoke , Black & White Contrast

(MPI Wet Fluorescent inspection Thread With UltraViolet Light)





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



	CERTIFICATION OF VISUAL THOROUGH	GH EXAMINATO	N & DYE	PENETRANT II	NSPECTION	V
Client:	HALLIBURTON WPS	Report No:	WPS-QC-4-24-02B			
Location:	WPS WORKSHOP	Job Number:	27042024			
Inspection Date:	Saturday, April 27, 2024	Next Inspection Date:	Saturday, April 26, 2025			
Type Of Inspection:	VISUAL, THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)	Specification:	ASTM E165, D01982668, D01026300			
		Halliburton Doc. D01982668				
		UNIT DESCRIPTION:	30" SHEAVE			
		UNIT S/N:		SHEAVE-4128		
		SAP NO:	12980571			
DEC ON		WORING LOAD	30000 LBS			
-		INSPECTION RESULT :				
0 0		VISUAL , THOROUGH EXA	MINATION	Above Item fully inspected and found freedom from deforms, cracks, corrosion & mechanical damage		
		DYE PENETRANT INSPEC	tant inspection (DPI) forgn areas inspected and found freedom from cracks and oth			
		FINAL RESULTS Above Item found satisfactory and at the time of inspect				
		TECHNICAL DETAILS				
		TECHNIQUE 2 - TYPE II VISIBLE, METHOD 'A' WATER -WASHABLE				1550
	For exercise	PENETRANT DWELL TIME:	30 minutes	DEVELOPER DWELL TIME:	15 minutes	
		Test Part Temperature:	101 °F	WHITE LIGHT INTENSITY:	3510 LUX	

EQUIPMENT DETAILS				PERSONNEL DETAILS		REVIEW BY				
EQUIPMENT:	COMPARATOR BLOCK	EQUIPMENT:	Digital Lux Meter	EQUIPM	ENT:	NFRARED THERMOMETER	INSPECTOR NAME: M. Shahzad	Stroi Company	SENIOR INSPECTOR:	NAVEED HUSSAIN
S.N:	11223	S.N:	2722003	S.N	:	201704125	QUALIFICATION: ASNT LEVEL II		SUPERVISOR:	HANI ALI
Cal Due Date:	12,AUG,2024	Cal Due Date:	14,AUG,2024	Cal Due	Date:	14,AUG,2024	MT & PT& VT & UT	G S		ALI Talib HB48903
Red Penet	rant Manufacture:	Magnaflux	Batch No:	220511	EXPIRE DATE:	May,2025			CLIENT:	Date:27-04-2024
Develope	er Manufacture:	Magnaflux	Batch No:	220302	EXPIRE DATE:	March,2025	SIGNATURE:	For Engineering	GIAMI:	Signature
WATE	R PRESSURE	30 PSI	P. GAUGE	SSR825	DUE CAL DATE	: 18,AUG,2024		Engine		
Original - Client	t Files C	Copy - Area Office	QC/I	FN/DPI/NDT/	022 Rev.00	Dated: 07 Nov 2021				

