



16 INCH SHEAVE BLOCK ANNUALLY INSPECTIO

Customer:	HALLIBURTON (WPS)	Date of Inspection:	09.AUG.2023	
Location:	Burjesia Halliburton Basra -Iraq	Next Date of Inspection:	08.AUG.2024	
Type Of Inspection:	EXTENDED MAINTENANCE CHECKS	Report No.:	2023-0888-01	
Speciation:	API RP 9B / ASTM E709/ASTM E165	Halliburton Document No:	D02213619	
SERIAL NO.	SL16-1895	SAP NO	13226835	

PROCEDURE

Equipment:	16 INCH SHEAVE BLOCK ASSEMBLY 16 IN-0.125 - CABLE
SN:	SL16-1895
SAP NO:	13226835
Ref Standard:	API RP 9B / ASTM E709/ASTM E165
Halliburton Document No:	D02213619

Sheave Wheels & Pins with the following specification:

QTY:	01
Inspection Frequency:	Annually
Wire Rope Diameter:	0.125
Sheaves Size:	16 Inch

Remarks:

Detailed reports are attached detailing all readings and results in -01 of 03- pages.

Inspector:	KHALED MAHMOUD	ALI Talib HB48903 Date: 10-08-2023 Signature Haliburton	Supervisor:	HANI ALI
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**AI TAKAMUL COMPANY FOR ENGINEERING TESTS
AND PROFESSIONAL SAFETY LIMITED**

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PROCEDURE

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

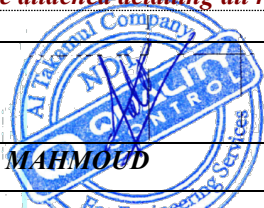
- 01- Wash thoroughly to remove all of the dirt and mud.
- 02- Does not direct high pressure spray onto the face of bearings to prevent water displacing of the grease.
- 03- Make a visual inspection, check for no evidence of corrosion, cracks or fractures on the wheel frame that undermine its operational 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- The maximum allowance for reduction of a product's original dimension due to wear or repair before removal from service is:
- 08- Any single direction – No more than 10% of original dimension.
- 09- Two direction – no more than 5% of each dimension.
- 10- Any crack or deformation in a component is sufficient cause to remove from service.
- 11- Deformation in side pates, pins and axles, fitting attachment points, trunnions, etc. deformation can be cause by abusive service and / or overload and may be a cause to remove block or sheave from service.

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 03- pages.



ALI Talib HB48903

Date: 10-08-2023


**Signature
Haliburton**

Supervisor:

HANI ALI



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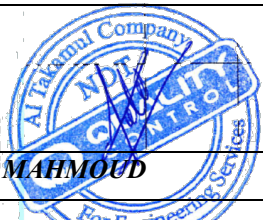
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SERIAL NO.	SL16-1895	SAP NO	13226835	

Pictorial



Remarks:

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



ALI Talib HB48903

Date: 10-08-2023

Signature
Haliburton

Supervisor:

HANI ALI



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AND PROFESSIONAL SAFETY LIMITED

Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL, THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION

Client:	HALLIBURTON	Report No:	2023-0888-01A
Location:	HALLIBURTON WPS	Job Number:	2023-0888
Date:	Wednesday, August 9, 2023	Next Inspection Date:	08-AUG-2024
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & MAGNETIC PARTICLE INSPECTION		Specification: ASTM E709 , ST-GL-HAL-WPS-1705
		Halliburton Doc	Halliburton Doc. D02213619
		UNIT DESCRIPTION:	16" SHEAVE BLOCK ASSEMBLY
		UNIT S/N:	SL16-1895
		SAP NO:	13226835
		SAFE HOOK LOAD	6000 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)	KHALED MAHMOUD		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: 10-08-2023 Signature Haliburton
FLUORESCENT 14HF		Magnaflux	Batch No:	220306	EXPIRE DATE:	MARCH,2025			
Whie Contrast Paint Manufacture:		Magnaflux	Batch No:	220602	EXPIRE DATE:	JUN,2025			
TECHNICAL DETAILS		TECH		Black Magnetic Ink Manufacture:7HF		STAMP & SIGNATURE:			
		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			

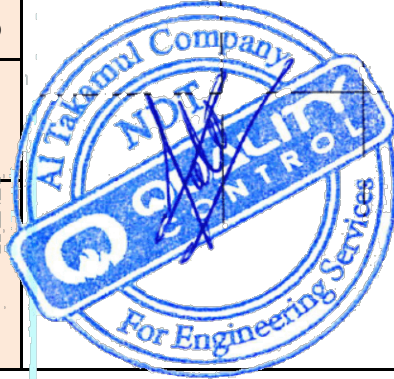
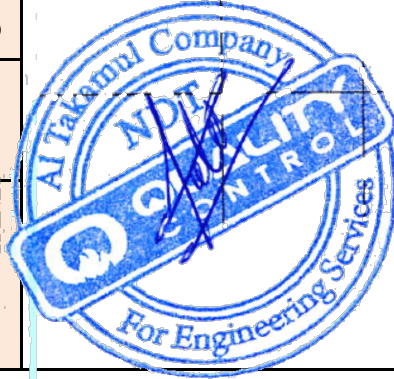
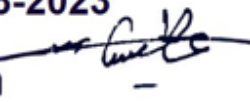
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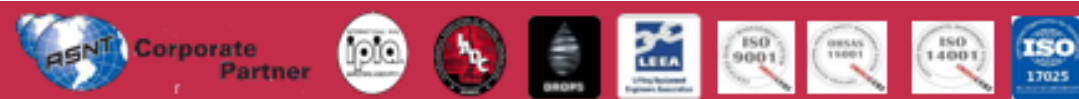
Basra, North Rumaila, Quality Control Yard - Iraq



CERTIFICATION OF VISUAL THOROUGH EXAMINATION & DYE PENETRANT INSPECTION

Client:	HALLIBURTON	Report No:	2023-0888-01B	
Location:	HALLIBURTON WPS	Job Number:	2023-0888	
Date:	Wednesday, August 9, 2023	Next Inspection Date:	08-AUG-2024	
Type Of Inspection:	VISUAL , THOROUGH EXAMINATION & DYE PENETRANT INSPECTION (DPI)	Specification:	ASTM E165, ST-GL-HAL-WPS-1705	
	Halliburton Doc	Halliburton Doc. D02213619		
	UNIT DESCRIPTION:	16" SHEAVE		
	UNIT S/N:	SL16-1895		
	SAP NO:	13226835		
	SAFE HOOK LOAD	6000 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:	KHALED MAHMOUD	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: 10-08-2023 Signature:  Haliburton
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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