



ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION
TRAVELLING BLOCK SHEAVES & CRITICAL AREAS - CAT III INSPECTION REPORT



Customer:	Hilong Oil Services & Engineering	Date Of Service:	14-Dec-2024
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-24-4705-TB-01
Rig Number:	HL-16	Specification:	API RP 8B, API RP 9B



ABERDEEN Technical Services Would Like to Thank You for Giving Us the Opportunity to Work With Your Honorable Company

Inspection Date:	14-12-2024	Due Date:	13-06-2025
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Inspector:	Hasan Omran	OEM:	
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The Rig Was Equipped with BAOJI OILFIELD MACHINERY CO., LTD Travelling Block, with The Following Specification:

Equipment:	Travelling Block
Model:	YC-450
S/N:	YS15026
Marker & Date of Manufacture:	BAOJI OILFIELD MACHINERY CO., LTD / 07-2015
Inspection, Ref. Standard:	API RP 9B, API RP 8B
Inspection Frequency:	Every 06 Months

QTY:	1 (set)
Product description:	YC-450 Travelling Block
Max. Rated Load:	4500 KN
Nominal diameter of wire line:	38 mm (1 1/2")
Nominal diameter of Sheaves:	1524 mm
Number of Sheaves:	6
Weight:	8300 Kg
Dimensions [L x W x H]	3110 x 1600 x 840 mm

Remarks:
 Detailed reports are attached detailing all readings and results in pages (03-11)

Inspector:	Hasan Omran 	Supervisor:	Majd Dayoub
OEM:			



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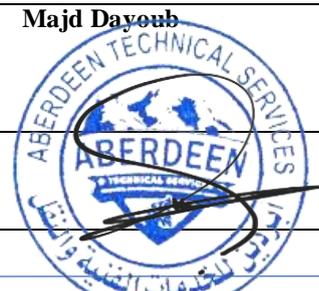


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PROCEDURE

- The Travelling Block was Inspected and Found Conformable to the Relevant Standard.
- The Rig was equipped with “BAOJI OILFIELD MACHINERY CO., LTD” Travelling block
- Traveling block found in place and partially dismantled for CAT III inspection.

Action	Result
1. Manufacture Name Plate In Place, All Specification of the travelling block Were Obtained From Attached Manufacture Manual And Manufacture Certificate.	Performed
2. All foreign material such as dirt, paint, grease, oil, scale, etc. shall be removed from the concerned parts by a suitable method	Performed
3. Visually check of the side plates and other load bearing items (connections to the hook, Elevator link ears etc.) for damage or cracks.	Performed
4. Visually check for any missing locking pins of the block attachment connections.	Performed
5. Visually inspect all surfaces of the sheaves and grooves for signs of deformation, wear, or damage.	Performed
6. Inspect the groove for any signs of wire line corrugations (wire line negative impressions). Inspect for any signs of sheave contact between the sheaves.	Performed
7. NDT inspection of the accessible areas of the sheave grooves without disassembly.	Performed
8. NDT the hang-off point of the block and record the SWL which should be visible close by.	Performed
9. NDT & Dimensional Check the critical areas, which may require some disassembly, in line with the OEM recommendations.	Performed
10. Visually check the wear tolerances of the bearings with pry bar & check for equal spacing between sheaves.	Performed
11. Travelling block sheaves grooves Radii were measured as per API 8B, 9B recommendations for Worn and reconditioned sheaves and the reading are below. (**)	Performed
12. Sheaves Groove Depth were measured and the actual depths found between a Minimum Of 1.33d And a Maximum Of 1.75 d, where d Is the Nominal Rope Diameter (*)	Performed
13. repaint the block as required.	Performed
14. Prepare and submit the inspection report.	Performed

Inspector:	Hasan Omran 	Supervisor:	Majd Dayoub 
OEM:			



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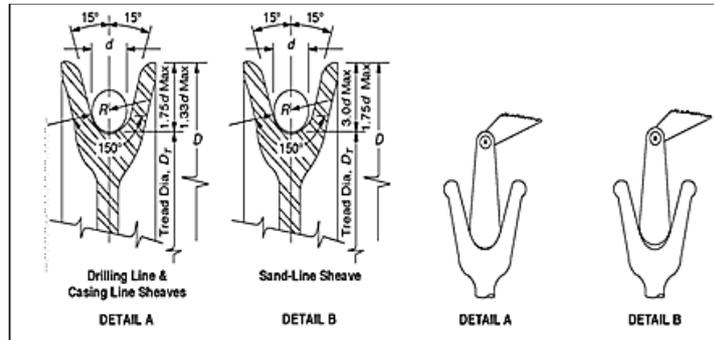


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INSPECTION RESULTS:

***Travelling block Sheaves - Groove Depth Measurements**

Sheaves No:	Nominal Wire Rope Dia.:	Actual Depth:	Max Allowable Groove Depth =1.75 d	Min Allowable Groove Depth =1.33 d	Remarks/Results
Cluster Sheave # 1	38 mm	57.55 mm	66.5 mm	50.54 mm	Accepted
Cluster Sheave # 2	38 mm	57.83 mm	66.5 mm	50.54 mm	Accepted
Cluster Sheave # 3	38 mm	58.14 mm	66.5 mm	50.54 mm	Accepted
Cluster Sheave # 4	38 mm	58.32 mm	66.5 mm	50.54 mm	Accepted
Cluster Sheave # 5	38 mm	57.96 mm	66.5 mm	50.54 mm	Accepted
Cluster Sheave # 6	38 mm	58.49 mm	66.5 mm	50.54 mm	Accepted



****Travelling block Sheaves - Groove Radii Measurements**

Sheaves No:	Nominal Wire Rope Dia.:	Actual Groove radii	Groove radii min allowable worn as per API 9B	Groove radii max allowable worn as per API 9B	Remarks/Results
Cluster Sheave # 1	38 mm	20.33 mm	19.53 mm	20.96 mm	Accepted
Cluster Sheave # 2	38 mm	20.29 mm	19.53 mm	20.96 mm	Accepted
Cluster Sheave # 3	38 mm	20.25 mm	19.53 mm	20.96 mm	Accepted
Cluster Sheave # 4	38 mm	20.39 mm	19.53 mm	20.96 mm	Accepted
Cluster Sheave # 5	38 mm	20.37 mm	19.53 mm	20.96 mm	Accepted
Cluster Sheave # 6	38 mm	20.27 mm	19.53 mm	20.96 mm	Accepted

** Visual, MPI, and Dimensional Checks Were Carried Out on the Sheave Grooves and Critical Areas of the Travelling Block and Found **Satisfactory for Further Use**.

** CAT III Inspection Was Carried Out on Travelling Block Sheaves and Critical Areas and Found **Accepted** at The Time of Inspection.

Inspector:	Hasan Omran 	Supervisor:	Majd Dayoub
OEM:			



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PICTORIAL

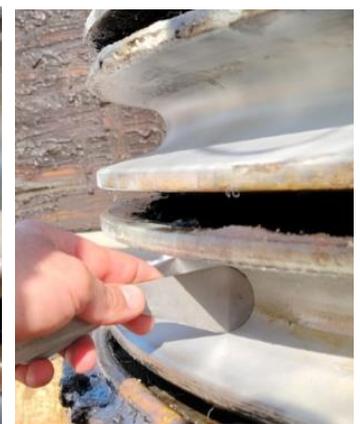


Inspector:	<p>Hasan Omran</p> 	Supervisor:	<p>Majd Dayoub</p> 
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Inspector:	Hasan Omran 	Supervisor:	Majd Dayoub  
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Rig Number:	HL-16	Specification:	API RP 8B, API RP 9B

Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL - 16	Job Number:	ATS-12-24-4705
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Date of Examination:	14-12-2024	Date of Report:	14-12-2024	Certificate No:	ATS-12-24-4705-TB-01
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Serial Number	Description of the examined equipment	Result
YS15026	Travelling Block - Sheave Grooves	Pass
S/N:	Cluster Sheaves	



NDT Equipment Details

Standard	API RP 8B CAT-III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	27-12-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

NDT Results

Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Hasan Omran		13-06-2025





Customer:	Hilong Oil Services & Engineering	Date Of Service:	14-Dec-2024
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-24-4705-TB-01
Rig Number:	HL-16	Specification:	API RP 8B, API RP 9B

Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL - 16	Job Number:	ATS-12-24-4705
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Date of Examination:	14-12-2024	Date of Report:	14-12-2024	Certificate No:	ATS-12-24-4705-TB-02
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Serial Number	Description of the examined equipment	Result
YS15026	Travelling Block – Hanging Off Point	Pass
S/N:	AB450004-06 / QAI5001	



NDT Equipment Details

Standard	API RP 8B CAT-III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	27-12-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

NDT Results

Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Hasan Omran		13-06-2025





Customer:	Hilong Oil Services & Engineering	Date Of Service:	14-Dec-2024
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-24-4705-TB-01
Rig Number:	HL-16	Specification:	API RP 8B, API RP 9B

Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL - 16	Job Number:	ATS-12-24-4705
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Date of Examination:	14-12-2024	Date of Report:	14-12-2024	Certificate No:	ATS-12-24-4705-TB-03
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Serial Number	Description of the examined equipment	Result
YS15026	Travelling Block – Hanging Off Pins and Nuts	Pass
S/N:	P01, P02 & N01, N02	



NDT Equipment Details

Standard	API RP 8B CAT-III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	27-12-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

NDT Results

Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection
Identification of any part found to have a defect and a description of the defect: None
Particulars of any repair, renewal or alteration required to remedy the defect identified above: None

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Hasan Omran		13-06-2025



Customer:	Hilong Oil Services & Engineering	Date Of Service:	14-Dec-2024
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-24-4705-TB-01
Rig Number:	HL-16	Specification:	API RP 8B, API RP 9B

Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL - 16	Job Number:	ATS-12-24-4705
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Date of Examination:	14-12-2024	Date of Report:	14-12-2024	Certificate No:	ATS-12-24-4705-TB-04
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Serial Number	Description of the examined equipment	Result
YS15026	Travelling Block – Hanger Plate	Pass
S/N:	JJ745415-4502 / 11015	



NDT Equipment Details

Standard	API RP 8B CAT-III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	27-12-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

NDT Results

Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Hasan Omran		13-06-2025





Customer:	Hilong Oil Services & Engineering	Date Of Service:	14-Dec-2024
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Rig Number:	HL-16	Specification:	API RP 8B, API RP 9B

Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Rig Number:	HL - 16	Job Number:	ATS-12-24-4705
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Date of Examination:	14-12-2024	Date of Report:	14-12-2024	Certificate No:	ATS-12-24-4705-TB-05
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Serial Number	Description of the examined equipment	Result
YS15026	Travelling Block – Lifting Point	Pass
S/N:	YS15026	



NDT Equipment Details

Standard	API RP 8B CAT-III & ASTM E709	Viewing Condition:	Colored Media	Method	WET
Yoke	Ac yoke	Serial No:	201504044	Due Date	27-12-2024
White Contrast	FLUXO: WCP-4	Batch No:	L230523/1	Due Date	23-05-2028
Black Ink	FLUXO: Black magnetic ink-3	Batch No:	L230125/3	Due Date	25-1-2025

NDT Results

Visual and MPI carried out for the above-mentioned items and found free of surface defects at the time of inspection

Identification of any part found to have a defect and a description of the defect: **None**

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **None**

ASNT Level II Inspector Name:	Signature & Stamp:	Date of Next Through Examination:
Hasan Omran		13-06-2025

