TRAVELLING BLOCK CAT III INSPECTION REPORT

Customer:	Hong Hua Oil& Gas Engineering Services Ltd	**Date Of Service:**	15.07.2024
Type Of Inspection:	CAT III INSPECTION	**Report No:**	QC-HH-07-24-0202/02
Rig & Location:	H.H RIG 029	**Specification:**	API RP 8B - ASTM E709

The Rig was Equipped with Travelling Block with the following Specification:

Equipment:	Travelling Block
Model:	YC450
S.no:	YC17-016
Date & Manufacturer:	12-2017
load Rating:	500 Ton (4500 kn)
Manufacturer:	SICHUAN HONGHUA PETROLEUM EQUIPMENT CO.LTD
Total Weight:	8135 Kg
Sheave OD:	60 in – 1524mm
Wire Line Dia.:	38 mm 1 1/2 in

The Products Have Been Inspected and Found Them Conformable to Relevant

Checked the availability and condition of the Serial Number – (Satisfactory)

Visual check has been performed on side plates and other load bearing items (connection to the hook, elevator link eyes etc.). (Satisfactory)

Visual check has been performed for any missing pins of the block attachment connections (Satisfactory)

Visual check has been performed on traveling block lifting ring and lifting ring pins for any damage or deformation or cracks (Satisfactory)

Visual check has been performed on the sheaves for wear or cracks (Satisfactory)

Visual check has been performed on the accessed part of the sheaves for wear or cracks (Satisfactory)

Verification of the sheaves groove depth Done and compared it with the maximum wear limits identified in OEM recommendations. Table#01 (Satisfactory)

Verification of the sheaves groove Radius Done and compare it with the maximum wear limits identified in OEM recommendations. Table# 02 (Satisfactory)

Checked the wear of the bearing (pry bar) and ensured equal spacing between sheaves (Satisfactory)

Nondestructive testing (MPI) has been carried out on load bearing areas. (Satisfactory)

Nondestructive testing (MPI) has been carried out on traveling block lifting ring and lifting ring pins (Satisfactory)

Condition of the paint has been checked. (Satisfactory)

INSPECTION RESULT

**** Visual & MPI was carried out on the available welding and critical areas of (Travelling Block) components and found satisfactory for further use.**

**** CAT IV Inspection Was Carried Out on Traveling Block and Found Accepted at The Time of Inspection.**

ASNT Level II Inspector Name:	Authenticating This Report:		Date of Next Through Examin5tion:
Mohamed Abdalla	Naveed Hussien		14.01.2025

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Table#01

Travelling Block sheaves rope groove depth has been measured and figured out as per API RP 9B as below

Sheaves No:	Nominal Wire Rope Dim:	Actual Depth:	Max Allowable Groove Depth =1.75 D	Min Allowable Groove Depth =1.33 d	Remarks/Results
HH-T-1	38 mm	61.42 mm	66.5 mm	50.54 mm	Accepted
HH-T-2	38 mm	61.26 mm	66.5 mm	50.54 mm	Accepted
HH-T-3	38 mm	61.94 mm	66.5 mm	50.54 mm	Accepted
HH-T-4	38 mm	62.75 mm	66.5 mm	50.54 mm	Accepted
HH-T-5	38 mm	63.17 mm	66.5 mm	50.54 mm	Accepted
HH-T-6	38 mm	62.14 mm	66.5 mm	50.54 mm	Accepted

- Total Groove depth for sheaves shall be Min.: 1.33d and Max.: 1.75d where d is the nominal wire rope diameter.

Table#02

Travelling Block sheaves rope groove radius has been measured and figured out as per API RP 9B as below

Sheaves No:	Nominal Wire Rope Dim:	Actual Groove Radius	Max Allowable Groove Radius	Min Allowable Groove Radius	Remarks/Results
HH-T-1	38 mm	20.25 mm	20.96mm	19.53mm	Accepted
HH-T-2	38 mm	20.22 mm	20.96mm	19.53mm	Accepted
HH-T-3	38 mm	20.20 mm	20.96mm	19.53mm	Accepted
HH-T-4	38 mm	20.24 mm	20.96mm	19.53mm	Accepted
HH-T-5	38 mm	20.19 mm	20.96mm	19.53mm	Accepted
HH-T-6	38 mm	20.23 mm	20.96mm	19.53mm	Accepted

- Total rope groove radius for sheave (max. and min.) limits is as per API RP 9B table07 – Groove Radii of Sheaves

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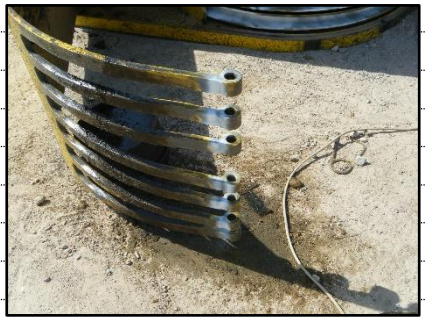

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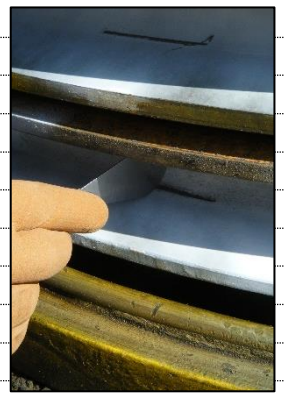





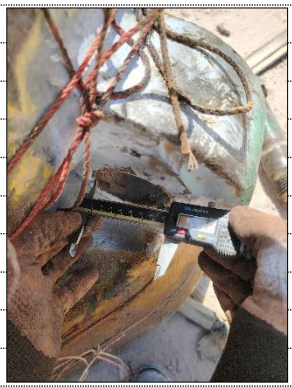

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