



ABERDEEN TECHNICAL SERVICES AND GENERAL TRANSPORTATION

SQUARE SHOULDER ELEVATOR - CAT III INSPECTION REPORT



Customer:	Hilong Oil Services & Engineering	Date Of Service:	15-01-2024
Type Of Inspection:	CAT III INSPECTION	Report No:	ATS-12-23-2486-EL-002
Rig & Rig Number:	RIG-99	Specification:	API RP 8B



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

Inspection Date:	15-01-2024	Due Date:	14-07-2024
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Inspector:	Aram Dlawer	Supervisor:	Hasan Omran
OEM:			



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The Rig Was Equipped with Jiangsu Rutong Petro-Machinery Co. Ltd. Square shoulder Elevator, with The Following Specification:

Equipment:	Square Shoulder – Tubing side door Elevator
Model/SN:	DD41/2EU-150TB
SN:	80838
Size:	4 1/2"
SWL:	150 T
Date of Manufacture:	08-2018
Manufacturer:	Jiangsu Rutong Petro-Machinery Co. Ltd.
Reference Standard:	API RP 8B
Next Examination Date:	After 06 Months

Remarks:

Detailed reports are attached detailing all readings and results in page 5

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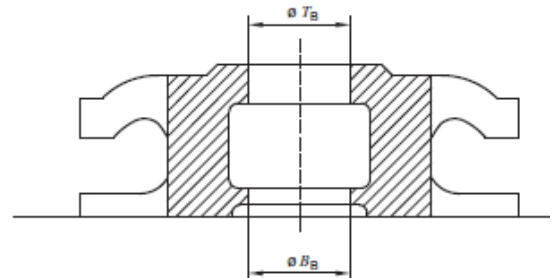
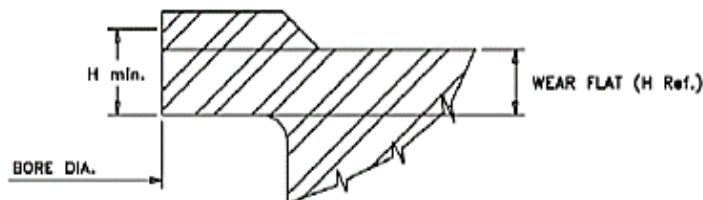
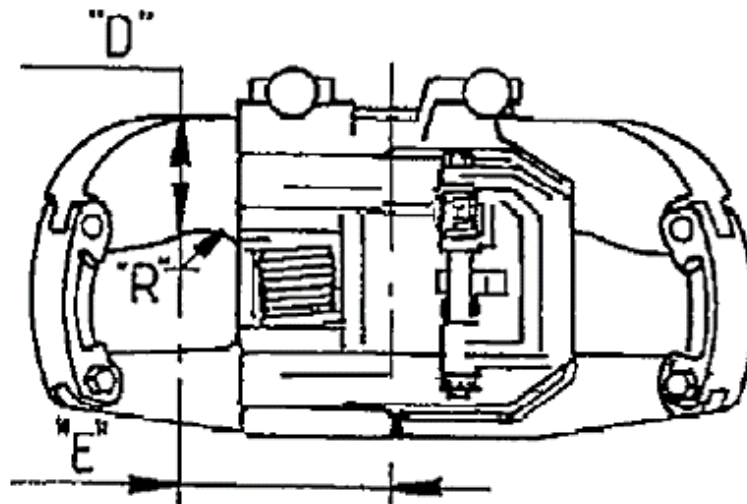


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PROCEDURE

- The Elevator Has Been Inspected and Found Conformable to the Relevant Standard(s)
- Elevator Found Ready for CAT III Inspection.

Action	Result
• Visually check for the serial number and Identification	Pass
• Prepare and clean the elevator body and accessories to the extent necessary for inspection.	Pass
• Visually check for any damage, missing parts or cracks	Pass
• Dismantle the elevator to the extent necessary to perform the CAT III inspection.	Pass
• Visually check & MPI as per manufacture's recommendations	Pass
• Visually check for damage, deformation or cracks on the hinge's Ears, handles, Critical areas & hinges	Pass
• Measure the wear of bores, and ear thickness as per manufacture's recommendations.	Pass
• Visually check after Reassembly	Pass
• Repaint the Elevator	Pass
• Prepare and submit the inspection report.	Pass





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OREINTATION	DESCRIPTION	VALUES	OEM VALUES	RESULT
RIGHT	The maximum allowable wear tolerance of (D)	88.5 mm	84 mm	Accepted
	The distance "E" from the center line to the center of Arc	155 mm	155 mm	Accepted
	The designed value for radius "R" at the force point	45 mm	45 mm	Accepted
LEFT	The maximum allowable wear tolerance of (D)	89 mm	84 mm	Accepted
	The distance "E" from the center line to the center of Arc	155mm	155 mm	Accepted
	The designed value for radius "R" at the force point	45 mm	45 mm	Accepted
TOP	Maximum Allowable (Worn) Load Shoulder Bore TB	115.4 mm	118.33 mm Max	Accepted
BOTTOM	Maximum Allowable (Worn) Load Shoulder Bore BB	115.7 mm	118.33 mm Max	Accepted
-	The minimum allowable thickness of the elevator load bearing point contact surface (H)	90 mm	70 mm	Accepted

** Visual And MPI Was Carried out on the critical areas and load bearing components of the Elevator and Found **Satisfactory for Further Use**.

** CAT IV Inspection Was Carried Out on the Elevator and Found **Accepted** At The Time of Inspection

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OEM:			



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Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	HL99	Job Number:	ATS-12-23-2486
Date of Examination:	15-01-2024	Date of Report:	16-01-2024	Certificate No:	ATS-12-23-2486-EL-002-1

Serial Number	Description of the examined equipment	Result
80838	Square Shoulder – 4 1/2" Tubing side door Elevator	Pass
S/N:	80838	



NDT Equipment Details

Standard	API RP 8B & ASTM E 709	Viewing Condition:	Colored Media	Method	WET
Yoke	Permanent	Serial No:	PY-10	Due Date	17-02-2024
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 procedure

Visual and MPI carried out for the above description 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:
Aram Dlawer		14-07-2024



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