



Customer:	Hilong Oil Services & Engineering	Date Of Service:	08-08-2024
Type Of Inspection:	CAT IV INSPECTION	Report No:	ATS-08-24-4132-SL-032
Rig & Rig Number:	HL - 100	Specification:	API RP 7L



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

Inspection Date:	08-08-2024	Due Date:	07-08-2025
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Inspector:	Aram Dlawar 	Supervisor:	Hasan Omran 
OEM:			



International Well Control Forum



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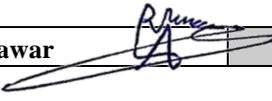
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The Rig Was Equipped with SJ PETROUM MACHINERY CO. Hand Slip, with The Following Specification:

Equipment:	Hand Slip (Drill collar) DCS-S
Model/SN:	807088
Date of Manufacture:	-
Manufacturer:	JIANGSU RUTONG PTERO-MACHINERY CO
Reference Standard:	API RP 7L
Next Examination Date:	After 1 Year

Remarks:

Detailed reports are attached detailing all readings and results in - 03 of 06 pages.

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Client representative:			



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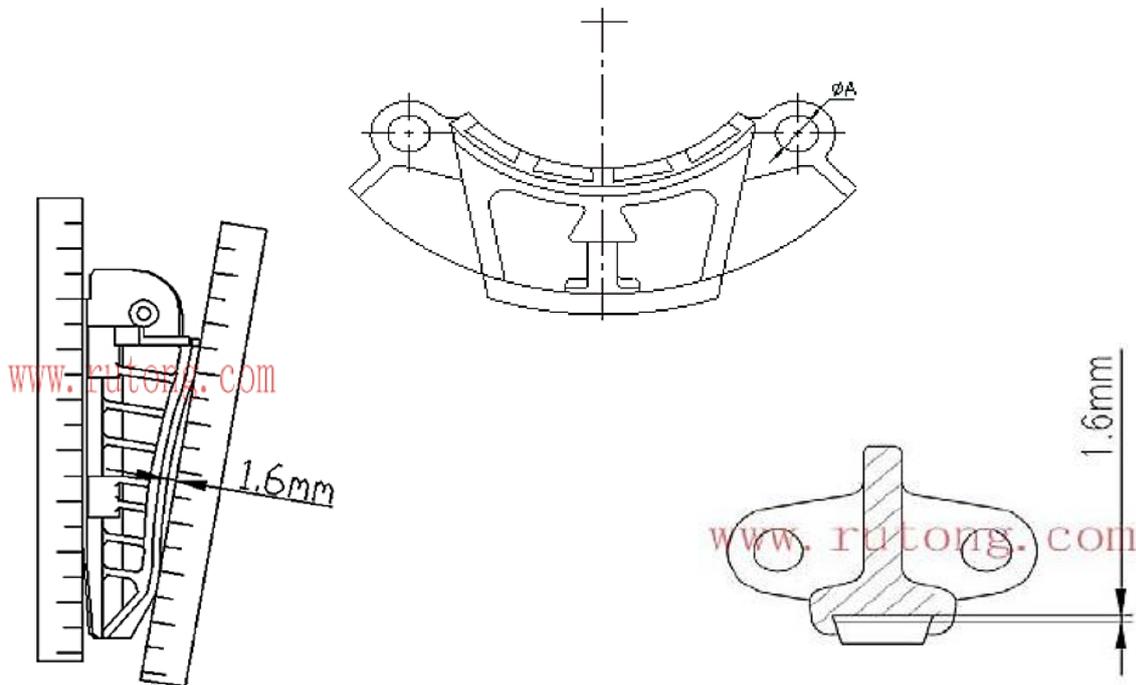
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PROCEDURE

- The Slip Has Been Inspected and Found Conformable to the Relevant Standard(s)
- The Rig was equipped with ZHEJIANG ZHONGHENG INSTRUMENT AND GAUGE CO. LTD Slip.
- Slip Found Stripped Down /Dismantling Condition for CAT IV Inspection.

Action	Result
• Visually check for the serial number and Identification	Pass
• Dismantle the slip as far as possible into single components	Pass
• Prepare and clean the slip body and accessories to the extent necessary for inspection.	Pass
• Visually check for any damage, missing parts or cracks	Pass
• For Rotary, Dc and Casing Slips: Visually check for damage, deformations or cracks on the hinges brackets, slips segments with tail slot handles and hinge pin.	Pass
• Place a straight edge against the backs and inside face of the slips to check if they are bend or wear. A good slip back is straight, smooth, and well-greased.	Pass
• Perform MPI as Per Manufacture’s Recommendations of Hinged Connections Body (inside & Outside), Handles Guide Halves, Slips Top Cover Halves, Etc...	Pass
• Measure The Wear of the Hinges Connection pins & Pin Holes, the clearance between the back of inserts and insert grooves, etc. As Per Manufacture’s Recommendations.	Pass
• Visually check after Reassembly	Pass
• Repaint the slip	Pass
• Prepare and submit the inspection report.	Pass





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DESCRIPTION	VALUES	OEM VALUES	RESULT
The allowable Maximum wear on the outside surface of the slip.	0.0	1.6	Accepted

Measurement	OEM: Tolerance/ Nominal	Actual Reading (mm)	Result
Pin OD No. 01	15.2 mm	15.0	Accepted
Hole ID No. 01	16.5 mm	16.6	Accepted
Clearance A: No. 01	3.2 max	1.6	Accepted
Pin OD No. 02	15.2 mm	15.1	Accepted
Hole ID No. 02	16.5 mm	16.70	Accepted
Clearance A: No. 02	3.2 mm max	1.6	Accepted
Pin OD No. 03	15.2 mm	14.9	Accepted
Hole ID No. 03	16.5 mm	16.75	Accepted
Clearance A: No. 03	3.2 mm max	1.85	Accepted
Pin OD No. 04	15.2 mm	15.1	Accepted
Hole ID No. 04	16.5 mm	16.6	Accepted
Clearance A: No. 04	3.2 mm max	1.5	Accepted
Pin OD No. 05	15.2 mm	15.2	Accepted
Hole ID No. 05	16.5 mm	16.7	Accepted
Clearance A: No. 05	3.2 mm max	1.5	Accepted
Pin OD No. 06	15.2 mm	15.1	Accepted
Hole ID No. 06	16.5 mm	16.8	Accepted
Clearance A: No. 06	3.2 mm max	1.7	Accepted



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Measurement	Tolerance	Actual Reading	Result
(Insert Groove 1 - Insert) Clearance No. 01	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 01	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 01	1.6	0.4	Accepted
(Insert Groove 1 - Insert) Clearance No. 02	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 02	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 02	1.6	0.4	Accepted
(Insert Groove 1 - Insert) Clearance No. 03	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 03	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 03	1.6	0.4	Accepted
(Insert Groove 1 - Insert) Clearance No. 04	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 04	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 04	1.6	0.4	Accepted
(Insert Groove 1 - Insert) Clearance No. 05	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 05	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 05	1.6	0.4	Accepted
(Insert Groove 1 - Insert) Clearance No. 06	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 06	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 06	1.6	0.4	Accepted
(Insert Groove 1 - Insert) Clearance No. 07	1.6	0.4	Accepted
(Insert Groove 2 - Insert) Clearance No. 07	1.6	0.4	Accepted
(Insert Groove 3 - Insert) Clearance No. 07	1.6	0.4	Accepted

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

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

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Visual & Magnetic Particles Examination Report

Client Name:	Hilong Oil Services & Engineering	Location:	HL-100/ R026	Job Number:	ATS-12-23-4132
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Date of Examination:	08-08-2024	Date of Report:	08-08-2024	Certificate No:	ATS-08-24-4132-SL-032
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Serial Number	Description of the examined equipment	Result
807088	Hand Slip (Drill collar) DCS-S	Pass
S/N:	-	



NDT Equipment Details

Standard	API RP 7L – CAT IV & ASTM E 709	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 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 Dlawar		07-08-2025