



Visual & Magnetic Particles Examination CAT IV Report

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|----------------------------|--|-------------------------|------------------------|
| Customer: | HONG HUA OIL & GAS ENGINEERING SERVICES. | Date of Service: | 14-July-2024 |
| Location: | HH-29 / AS-67 | RIG No.: | HH-29 |
| Type Of Inspection: | CAT IV | P.O No.: | BY MAIL |
| Report No.: | QC-HH-May-24-0200-004 | Speciation: | ASTM E 709 / API RP 7L |

The Rig was equipped with Manual Tong SSD 4~17 -135 the Following specification:

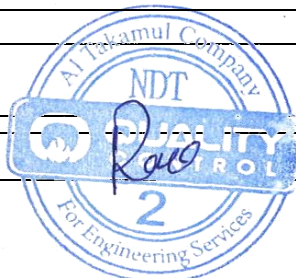
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|----------------------------------|--|
| QTY: | 1 (set) |
| Equipment: | Manual Tong |
| Product Type: | Q4-17-135 SSD Tong |
| Equipment SN#: | 2211056H |
| Manufacture: | Jiangsu Rutong Petro Machinery Co. Ltd |
| Date Of Manufacture: | Nov-2022 |
| Size: | 4 1/2" to 17" |
| Ref Standard: | ASTM E 709 / API RP 7L |
| Date of Next Examination: | After 06 Month |

-The products have been examined and found them conformable to relevant Quality standards and delivery is thus permitted

**** CAT IV Inspection Was Carried Out on MANUAL TONG and Found Accepted At The Time of Inspection.**

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| ASNT Level II Inspector Name: | Syed Aamir Ali | Supervisor: | Naveed Hussain |
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| Customer Reprehensive | : | |
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PROCEDURE

***Manual Tong SSD 4~8 1/2 found fully installed condition for inspection. CAT IV Full inspection.**

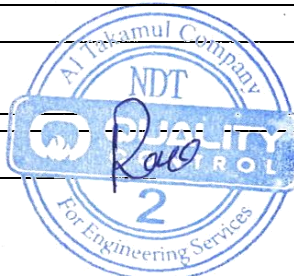
*** Manual Tong SSD 4~8 1/2 Inspection Was Conducted As Per Standard.**

- 1- Disassemble the tongs
- 2- Visually check all main components (lever, long jaw, latch lug jaw, short jaw, latch, hinge jaw) for damage, bending or cracks.
- 3- Measure hinge pins and hinge pin holes for wear (see manufacturer recommendation for maximums. clearance.)
- 4- Recharge the instrument fluid and recalibrate if necessary.
- 5- Reassemble tongs and repaint and grease as required
- 6- Reassemble tongs and repaint and grease as required
- 7- Prepare and submit the inspection report.

Remarks:

Detailed reports are attached detailing all readings and results in 02 Of 02 pages.

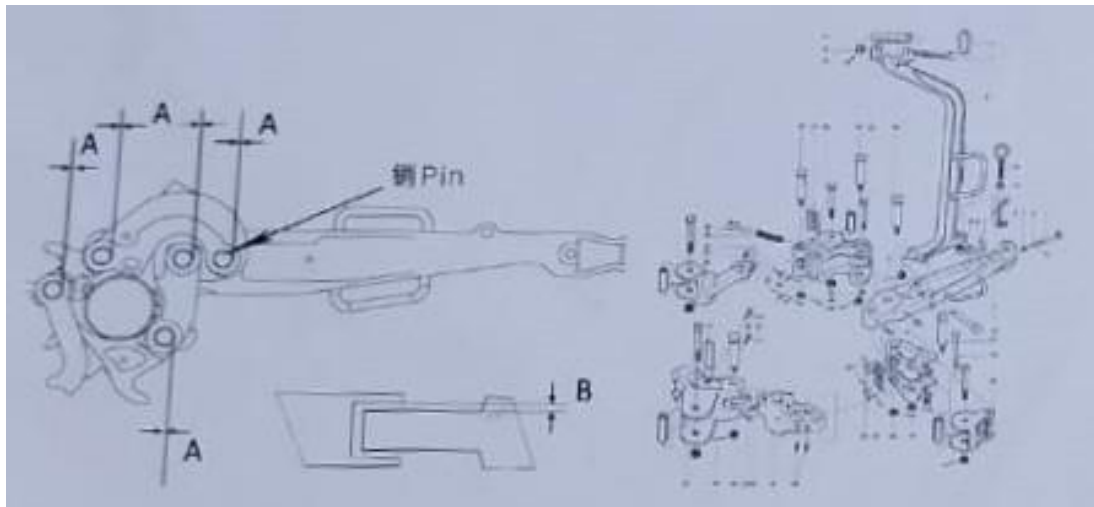
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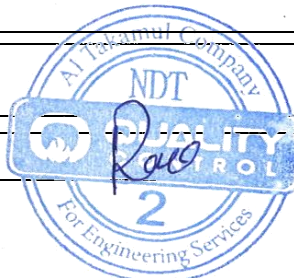


PROCEDURE

**** Visual and MPI Was Carried Out on the Available Critical Areas of the Manual Tong SSD 4~8 1/2 and Found Satisfactory for Further Use.**

**** CAT IV Inspection Was Carried Out on Manual Tong SSD 4~8 1/2 and Found Accepted At The Time of Inspection.**

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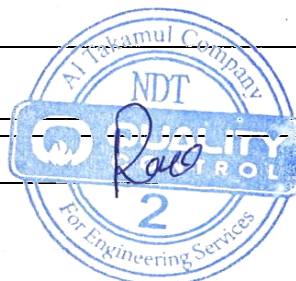
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| DESCRIPTION | ACTUAL VALUE | OEM VALUES MIN & MAX VALUE | RESULT |
|--|--------------|----------------------------|-----------|
| Max. clearance between pin and hole A1 | 0.54mm | Max 0.89mm | Qualified |
| pin Dia A1 | 50.7mm | Min 50.70mm | Qualified |
| hinge pin hole Dia.A1 | 51.1mm | Max 51.32mm | Qualified |
| clearance B1 | 0.4mm | Max 0.89mm | Qualified |
| Max. clearance between pin and hole A2 | 0.75mm | Max 0.89mm | Qualified |
| pin Dia A2 | 50.81mm | Min 50.70mm | Qualified |
| hinge pin hole Dia.A2 | 50.9mm | Max 51.32mm | Qualified |
| clearance B2 | 0.6mm | Max 0.89mm | Qualified |
| Max. clearance between pin and hole A3 | 0.56mm | Max 0.89mm | Qualified |
| pin Dia A3 | 50.86mm | Min 50.70mm | Qualified |
| hinge pin hole Dia.A3 | 51mm | Max 51.32mm | Qualified |
| clearance B3 | 0.6mm | Max 0.89mm | Qualified |

| DESCRIPTION | ACTUAL VALUE | OEM VALUES MIN & MAX VALUE | RESULT |
|--|--------------|----------------------------|-----------|
| Max. clearance between pin and hole A4 | 0.56mm | Max 0.89mm | Qualified |
| pin Dia A4 | 50.79mm | 50.70mm | Qualified |
| hinge pin hole Dia.A4 | 51.1mm | 51.32mm | Qualified |
| clearance B4 | 0.6mm | 0.89mm | Qualified |
| Max. clearance between pin and hole A4 | 0.56mm | Max 0.89mm | Qualified |
| min pin Dia A4 | 50.78mm | 50.70mm | Qualified |
| hinge pin hole Dia.A4 | 50.9mm | 51.32mm | Qualified |
| clearance B4 | 0.4mm | 0.89mm | Qualified |

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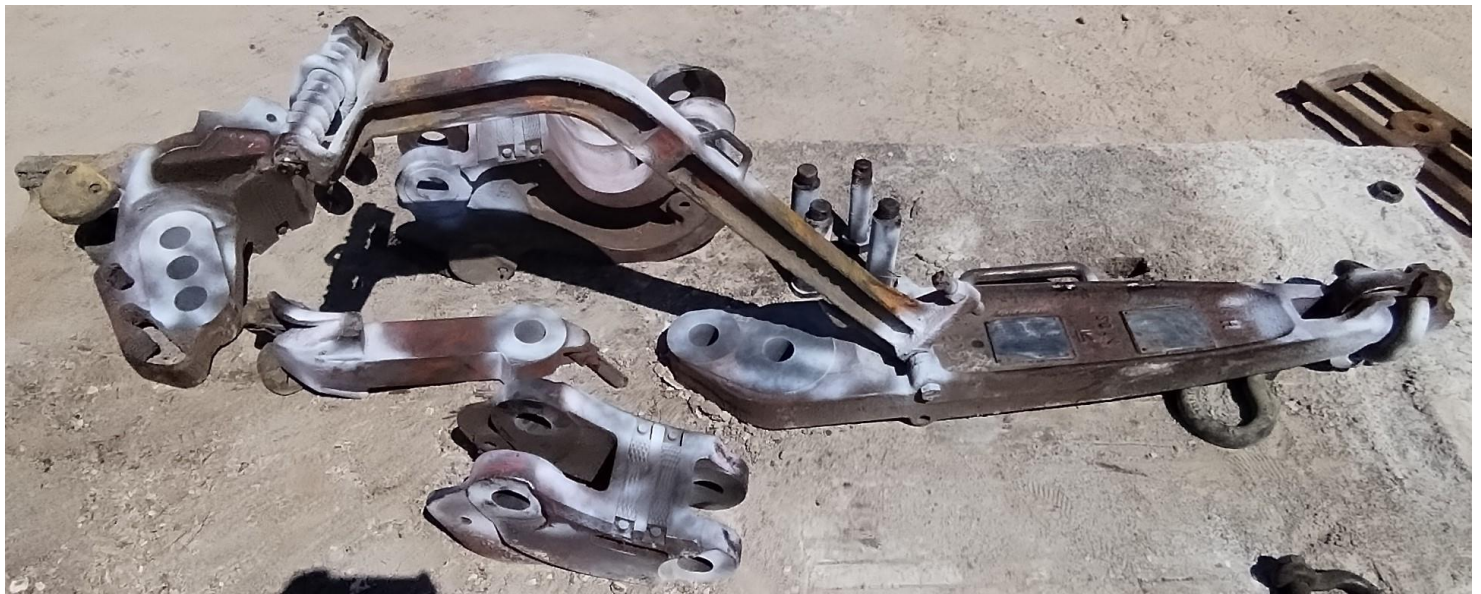
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