

INSPECTION SERVICES AND ENGINEERING CERTIFICATION

PHONE: 780.870.1547 EMAIL: operations@indexndt.ca Head Office Mail: P.O. Box 13137, Lloydminster, AB T9V 2J4

INSPECTION REPORT


| | | | | | | | | | | | | |
|------------------------------|--------------------------|------------|-----|-----------------------|------------------------|-----|-------------------------|------------|----------|--|--|--|
| EQUIPMENT LOCATION: | Lloydminster, Alberta | | | | NDT PROCEDURE#: | | | | INSP-001 | | | |
| EXAMINATION COVERAGE: | RANDOM: | 5% | 10% | 25% | 50% | 75% | 100% | X | | | | |
| ACCEPTANCE CRITERIA: | CSA W59 | ISO 9927-1 | | | CAODC RP | | | OTHER: | X | | | |
| INSPECTION METHOD: | VT | X | UT | MT WET FLOURESCENT | | X | MT WET BLACK | MT DRY RED | | | | |
| EQUIPMENT INFO: | BLACK LIGHT MAKE - INOVA | | | LIGHT METER # 1822158 | | | MAG COIL # RC1-30120121 | | | | | |

| | | | |
|-------------------|-----------------|-----------------------|------------------|
| CLIENT: | K&S Power Tongs | UNIT/REPORT#: | KSV007/IDX-9515 |
| EQUIPMENT: | Volant Tool | MAKE/MODEL: | Volant CRTI3-7.0 |
| RATING: | N/A | SERIAL NUMBER: | KSV007 |

EQUIPMENT PHOTOS



INSPECTION RESULTS

| | | | | | |
|---|---|------------------|--|----------------------------|----------------|
| ACCEPTABLE: | X | REJECTED: | | DATE OF INSPECTION: | April 13, 2026 |
| TECHNICIAN: | | | COMMENTS: | | |
|  | | | Part: Mandrel Cage Upper Cam Lower Cam Cam Latch Cam Int. Die - Die - Die - Die - Die - Die - Jaw - Jaw - Jaw - Jaw - Jaw - Jaw - Mandrel UT Measurements: 1.320, 1.316, 1.318, 1.317, 1.314 | | |
| | | | Serial#: 82306-03-4527A01-01 82856-4501A02-12 81190-4517A04-04 81191-4527A05-04 80813-4517A07-02 80810-4527A03-02 80929-01-3J1147-31 80929-01-4538A03-75 80928-01-4538A03-73 80928-01-4466A01-27 80928-014466A01-21 81955-02-4521A16-13 81955-02-4521A16-19 81955-02-4521A16-20 81955-02-4521A16-17 81955-02-4521A16-11 | | |
| | | | REPAIRS: NA | | |

QUALITY ASSURED INSPECTIONS FOR QUALITY ASSURED BUSINESSES

"Except as provided herein, Index NDT Inspections Ltd. makes no warranty, express or implied with respect to the mechanical or other conditions of the equipment inspected by us. Index NDT Inspections Ltd. shall only be responsible in the event of damage resulting directly from their inspection, and in no event, shall the liability of Index NDT Inspections Ltd. exceed the cost of inspection." Our organization assumes only the responsibility of locating defects in the inspected components and welds made accessible at the time of inspection. All equipment should be cleaned to allow access to all welds and critical components. It is of the utmost importance that the unit's owner be aware that excessive coating over 10 mils can severely mask the detection of discontinuities while utilizing standard inspection techniques. We are not responsible for the mechanical or other conditions assembled condition except at customer's request.

INCLUSION P-POROSITY IUC-INTERNAL UNDERCUT EUC-EXTERNAL UNDERCUT S/SAG COPRATOR IP-INCOMPLETE PENETRATION NF-NON-FUSION CR-CRACK PH-PIN HOLE D-DISCONTINUITY



REES N.D.T. INSPECTION SERVICES 2008 LTD.



15612-89 Street
Grande Prairie, AB T8V 2N8

Grande Prairie
(780) 539-3594
(780) 532-8047 (Fax)

Dispatch
1-888-540-3594
www.reesndt.com

Vegreville
(780) 603-4887
Email: gcoers@reesndt.com

INSPECTION DATE: 30-Mar-22

CLIENT: K & S Power Tongs
ADDRESS: 3614 63 Avenue Close
Lloydminster AB T9V 2W1

REES NDT PO NUMBER: R68183

CLIENT PO NUMBER: Ksv007

REES NDT WO NUMBER: 197572

INSPECTION CERTIFICATE

CERTIFICATION OF: CRT Mandrel

MAKE: Volant

MODEL: CRTi3-7.0

SERIAL NUMBER: 82306-03-4527A01-01

UNIT NUMBER: NA

CAPACITY: 320 ton

OWNER: K & S Power Tongs

Rees NDT Inspection Services 2008 Ltd. performed a VISUAL AND NON-DESTRUCTIVE TESTING inspection on the above mentioned CRT MANDREL. All observations have been recorded and are disclosed in the complete documentation for Rees NDT Work Order #197572. The scope of this certificate is limited to the inspection of the item's structural condition at the time of inspection and does not imply a review of the equipment's design or its associated capacity rating. The capacity noted above reflects the original equipment manufacturer's maximum capacity rating and may be reduced by operating conditions, regulatory requirements and the use of auxiliary equipment that has a lower capacity rating.

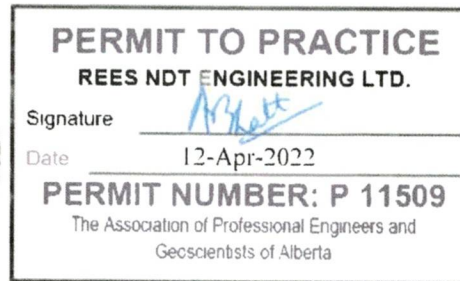
The undersigned Engineer reviewed all the inspection reports and has issued this certificate after all required repairs (if any) were completed. In the undersigned Engineer's opinion, the CRT MANDREL may be returned to service and is safe to use within the original manufacturer's specifications. The equipment owner is obliged to supply the OEM's operating instructions with the equipment and maintain the OEM's identification and capacity markings. If OEM information cannot be obtained, certified replacements must be obtained from a Professional Engineer.

This certification covers the above mentioned unit for a period of 5 YEARS AS PER API-8B from the date of inspection, or until the unit is damaged by handling, transportation or operation.

Reviewed
By



12-Apr-2022





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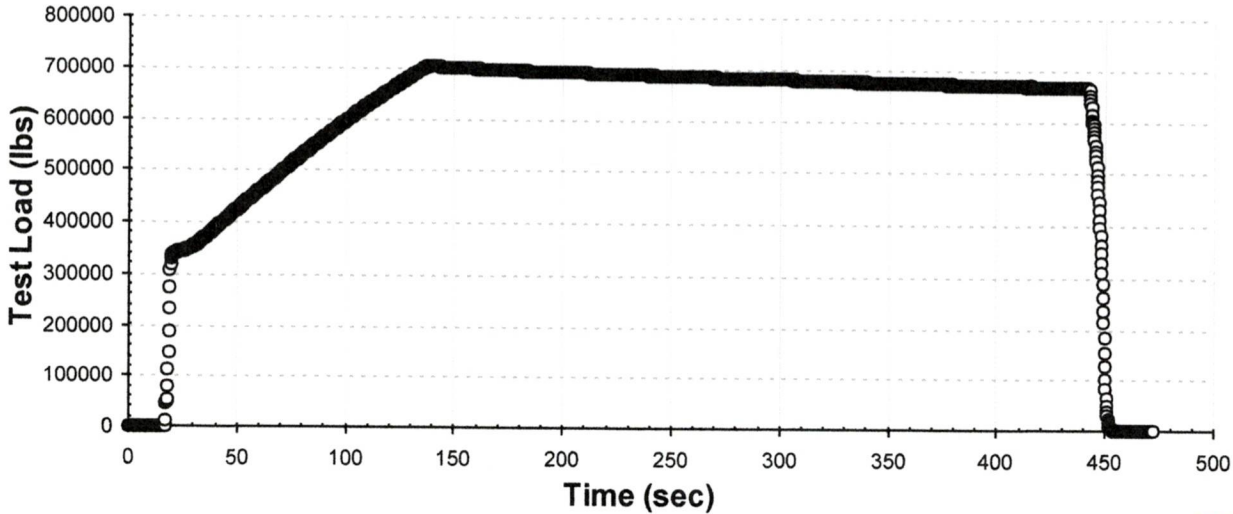
LOAD TEST CERTIFICATE

Owner K & S Power Tongs
Address 3614 63 Avenue Close
Lloydminster AB T9V 2W1

Date 30-Mar-22
Workorder # 197572
Purchase Order# **KSV007**

| | |
|---|--|
| Contact Name: Chris | Phone #: (780) 872-8240 |
| Item: CRT Mandrel | Location: Rees NDT Shop, Grande Prairie |
| Make: Volant | Model: CRTi3-7.0 |
| Serial Number: 82306-03-4527A01-01 | Unit: NA |
| Capacity: 320 ton | |

Proof Load Test 704000 lbs **Test Date** 31-Mar-22 **Required Duration (sec)** 300
Test Method: Proof 1.10 **Peak Load** 704358 lbs **Passed**
Test Equipment: **Make:** **Model:** **Serial Number:** **Capacity:**
Testing Frame Volker Ries 525 ton VR-01 525 ton
Pressure Gauge Rosemount 3501 - (0-5000) psi
Data Logger ACR Systems SRP-7-32K 0-25MA 96674 (0-25 mA)



DELAYED USE
Date of 1st Use: May 30/22
Job #: IPC Canada
Signed By: [Signature]

