

## 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


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

<b>CLIENT:</b>	K&S Power Tongs	<b>UNIT/REPORT#:</b>	KSV004/IDX-9471
<b>EQUIPMENT:</b>	Volant Tool	<b>MAKE/MODEL:</b>	Volant CRTI2-4.5
<b>RATING:</b>	N/A	<b>SERIAL NUMBER:</b>	KSV004

### EQUIPMENT PHOTOS



### INSPECTION RESULTS

<b>ACCEPTABLE:</b>	X	<b>REJECTED:</b>		<b>DATE OF INSPECTION:</b>	April 9, 2026
<b>TECHNICIAN:</b>		<b>PARTS:</b>		<b>Serial#:</b>	
		Mandrel		82304-03-4437A01-08	
		Cage		81325-4402A12-11	
		Upper Cam		81208-4498A04-08	
		Lower Cam		81221-4437A05-03	
		Cam Latch		81212-4437A06-01	
		Cam Int.		80942-4498A03-12	
		Die -		80957-01-4400A01-64	
		Die -		80957-01-4589A11-08	
		Die -		80957-01-4589A11-07	
		Die -		80957-01-4448A01-32	
Die -		80957-01-4589A11-05			
		<b>MANDREL THICKNESS: 0.890" / 0.889" / 0.886" / 0.896" / 0.891"</b>			
		<b>COMMENTS: NA</b>			

### 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.

I-INCLUSION P-POROSITY IUC-INTERNAL UNDERCUT EUC-EXTERNAL UNDERCUT S-SLAG C-CRATOR 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:** 06-May-25

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

**REES NDT PO NUMBER:** R85698

**CLIENT PO NUMBER:**

**REES NDT WO NUMBER:** 220334

## INSPECTION CERTIFICATE

**CERTIFICATION OF:** CRT Mandrel

**MAKE:** Volant

**MODEL:** CRTi2-4.5

**SERIAL NUMBER:** 82304-03-4437A01-08

**UNIT NUMBER:** KSV004

**CAPACITY:** 120 ton

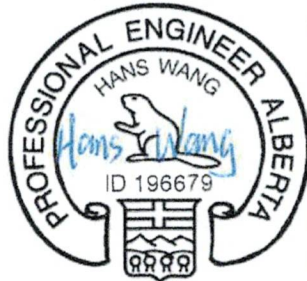
**OWNER:** K & S Power Tongs

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 #220334. 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 auxillary equipment that has a lower capacity rating.

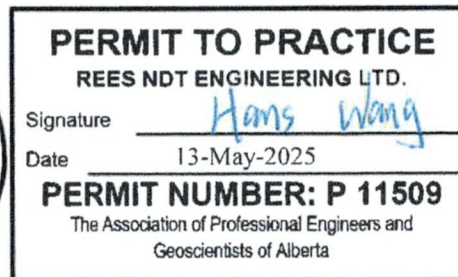
The undersigned Engineer reviewed all the inspection reports and has issued this certificate after all required repairs (if any) were completed. In the undersigned Engineer's opinion, the CRT MANDREL may be returned to service and is safe to use within the original manufacturer's specifications. The 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:



13-May-2025



Inspected By: J. Ibarbia N. House J. House CGSB #20221 (MPI II) SNT #028 (MPI II)

Non-destructive Testing · Wall Thickness Testing · Hardness Testing · Crane & Picker Certification · Drilling Rig Certification



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## LOAD TEST CERTIFICATE

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

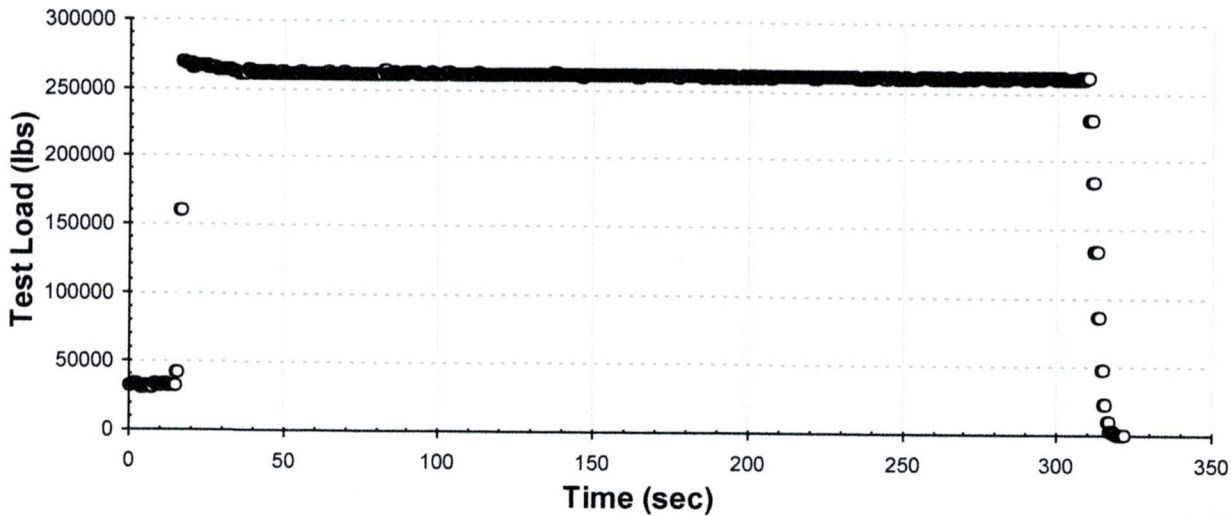
**Date** 06-May-25  
**Workorder #** 220334  
**Purchase Order#** KSV004

<b>Contact Name:</b>	Chris	<b>Phone #:</b>	(780) 872-8240
<b>Item:</b>	CRT Mandrel	<b>Location:</b>	Rees NDT Shop, Grande Prairie
<b>Make:</b>	Volant	<b>Model:</b>	CRTi2-4.5
<b>Serial Number:</b>	82304-03-4437A01-08	<b>Unit:</b>	NA
<b>Capacity:</b>		120 ton	

**Proof Load Test** 264000 lbs  
**Test Method:** Proof 1.10

**Test Date** 06-May-25  
**Peak Load** 269419 lbs

**Required Duration (sec)** 300  
**Passed**

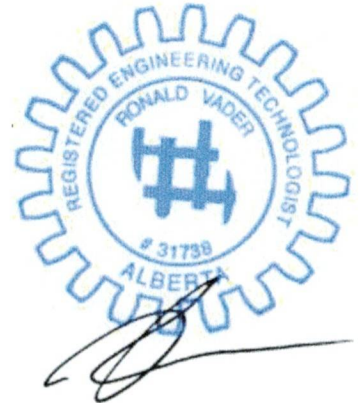


**DELAYED USE**

Date of 1st Use: \_\_\_\_\_

Job #: \_\_\_\_\_

Signed By: \_\_\_\_\_



Inspected By: J. Ibarbia N. House J. House CGSB #20221 (MPI II) SNT #028 (MPI II)

Rees NDT Records