

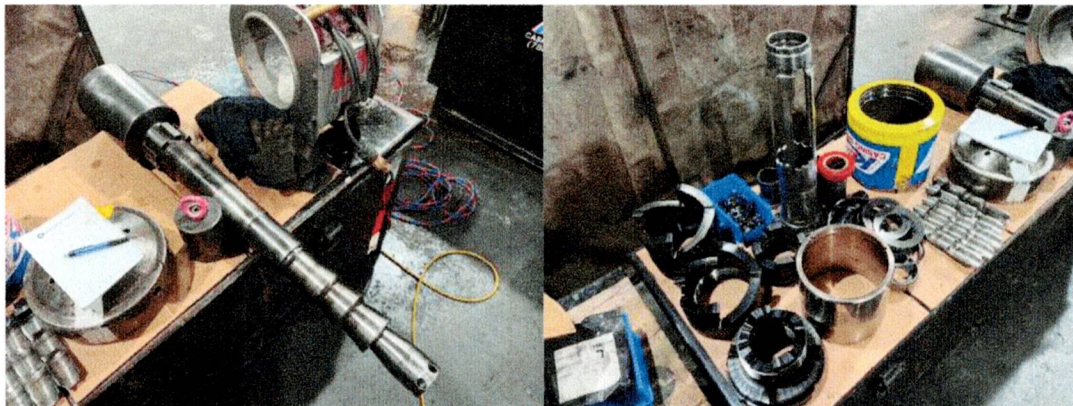
INSPECTION SERVICES AND ENGINEERING CERTIFICATION


PHONE: 780.870.1547 EMAIL: operations@indexndt.ca Head Office Mail: P.O. Box 10524, Lloydminster, AB T9V 3A6

INSPECTION REPORT

EQUIPMENT LOCATION:	Lloydminster, Alberta			NDT PROCEDURE#:				INSP-001	
EXAMINATION COVERAGE:	<i>RANDOM:</i>	5%	10%	25%	50%	75%	100%	X	
ACCEPTANCE CRITERIA:	CSA W59	ISO 9927-1		CAODC RP			OTHER:	X	
INSPECTION METHOD:	VT	X	UT	X	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#:	KSV004/IDX-5417
EQUIPMENT:	Volant Tool	MAKE/MODEL:	Volant CRTi2-4.5
RATING:	N/A	SERIAL NUMBER:	KSV004

EQUIPMENT PHOTOS

INSPECTION RESULTS

ACCEPTABLE:	X	REJECTED:	DATE OF INSPECTION:	April 30, 2024	
TECHNICIAN:		PARTS:			
		Serial#:			
		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 -			80957-01-4448A01-33
		Die -			80957-01-3J3508-09
		Die -			80957-01-4400A01-68
Die -			80957-01-4448A01-31		
Die -			80957-01-4589A11-12		
MANDREL THICKNESS: 0.857" / 0.860" / 0.860" / 0.858" / 0.860"					
COMMENTS: 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.



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)

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1-888-540-3594
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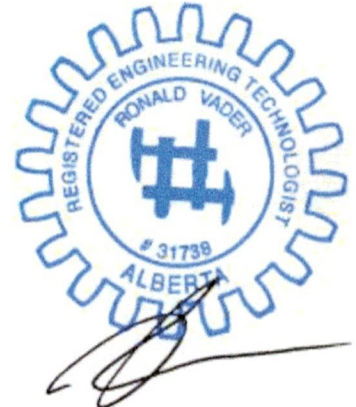
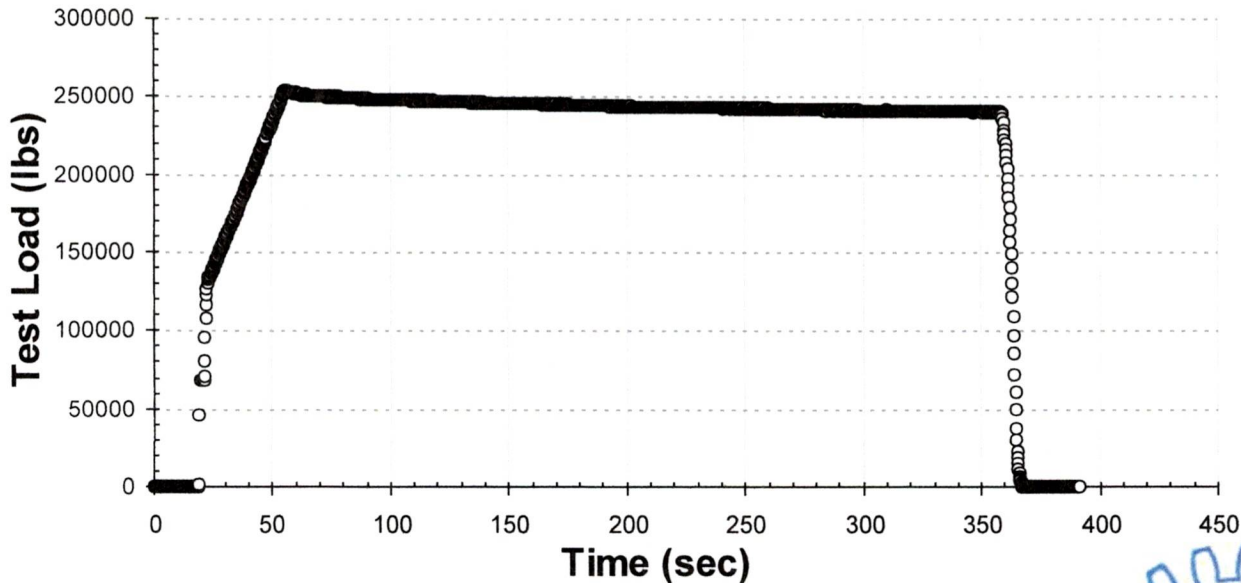
LOAD TEST CERTIFICATE

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

Date 23-Mar-20
Workorder # 186052
Purchase Order# [REDACTED]

Contact Name:	Chris	Phone #:	
Item:	CRT Mandrel	Location:	Rees NDT Shop, Grande Prairie
Make:	Volant	Model:	CRTi2-4.5
Serial Number:	82304-03-4437A01-08	Unit:	NA <i>KSV004</i>
Capacity:		120 ton	

Proof Load Test 240000 lbs	Test Date 23-Mar-20	Required Duration (sec) 300
Test Method: Proof 1.00	Peak Load 254358 lbs	Passed <input checked="" type="checkbox"/>
Test Equipment:	Make:	Model:
Testing Frame	Volker Ries	525 ton
Pressure Gauge	Rosemount	3501
Data Logger	ACR Systems	SRP-7-32K 0-25MA
	Serial Number:	Capacity:
	VR-01	525 ton
	-	(0-5000) psi
	96674	(0-25 mA)



Inspected By: K. Gejdos Millwright (J-09-31585) Machinist (J-11-16754) J. Ibarbia

Workorder



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INSPECTION DATE: 23-Mar-20

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

RECERTIFICATION DUE: 23-Mar-2025

REES NDT PO NUMBER: R58555

CLIENT PO NUMBER:

REES NDT WO NUMBER: 186052

INSPECTION CERTIFICATE

CERTIFICATION OF: CRT Mandrel

MAKE: Volant

MODEL: CRTi2-4.5

SERIAL NUMBER: 82304-03-4437A01-08

UNIT NUMBER: NA

CAPACITY: 120 ton

OWNER: K & S Power Tongs

REPAIRS/MECHANICAL COMPLETED BY: NA

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 #186052. 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-8C from the date of inspection, or until the unit is damaged by handling, transportation or operation.

Reviewed
By:



25-Mar-2020

PERMIT TO PRACTICE
REES NDT ENGINEERING LTD.
Signature <u>A. Bhatt</u>
Date <u>25-Mar-2020</u>
PERMIT NUMBER: P 11509
The Association of Professional Engineers and Geoscientists of Alberta

DELAYED USE
Date of 1st Use: <u>Aug 4, 2020</u>
Job #: <u>23279</u>
Signed By: <u>[Signature]</u>

Inspected By: K. Gejdos Millwright (J-09-31585) Machinist (J-11-16754) J. Ibarbia

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