

### 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:	Lloydmi	nste	er, Alber	ta		NDT PR	OCE	DURE#:	T		INSP-00	1
EXAMINATION COVERAGE:	RANDOM:		5%	10	%	25%		50%	75	5%	100%	Х
ACCEPTANCE CRITERIA:	CSA W59		ISO S	9927-1		CA	40E	CRP	T		OTHER:	Х
INSPECTION METHOD:	VT X U	T	X MT	WETF	LOURE	SCENT	Х	MT WET	BLAC	CK	MT DRY	RED
EQUIPMENT INFO:	BLACK LIGH	ITM	AKE - IN	OVA	LIGHT	METER	# 1	822158	M	AG CO	IL # RC1-30	120121

CLIENT:	K&S Power Tongs	UNIT/RIG:	KSV013
EQUIPMENT:	Volant Tool	MAKE/MODEL:	Volant CRTi3-7.0
REPORT#:	IDX-3212	SERIAL NUMBER:	KSV013

#### **EQUIPMENT PHOTOS**



#### **INSPECTION RESULTS**

ACCEPTABLE: X REJECTED:	DATE OF INSPECTION:	April 5, 2023
Level III. 1M.P. #20398	Cage- 8285 Upper Cam - 1023- Lower Cam - 1043: Cam Latch - 1023- Cam Int - 1023: Die- 8098 Die- 8098 Die- 8098 Die- 8098	#: 16-03-3J8936-01 6-3J8490-01 49-3J8221-01 38-3J8227-01 48-3J8220-05 51-3J6522-15 7-02-4395A20-09 7-02-4022807-09 7-02-4395A20-12 7-02-4395A20-11 7-02-4022807-08
	MANDREL THICKNESS: 1.319"/ 1.315" REPAIRS: NA	'/ 1.317"/ 1.319"/ 1.322" 
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#### 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 canditions 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 inspection. All equipment should be cleaned to allow access to all welds and critical components is of the utmost importance that the utilizing standard inspection techniques. We are not

## **Certificate of Testing**

Volant Oil Tools Inc. 4110 56 Avenue NW Edmonton AB T6B 3R8 nada

t +1 780.490.5185 f +1 780.437.2187 info@volantproducts.ca www.volantproducts.ca



#### **Load Testing**

Tes		

Target Test Load: 960 kips Minimum Hold Time: 300 s

				Test	Summary					
			Test 0	Component	s				Test E	quipment
Part Number	Part Name	Serial Number	Passed	Procedure	Actual Test Load	Hold Time	Test ID	Test Date	Identifier	Calibration Due
82306-03	Mandrel, CRTi2- 7.0,320T, 4.5IF, SR2	3J00008936-01	Passed	102870	962 kips	369 s	L01-001569	Dec 23, 2021	VLF-01	Feb 28, 2023

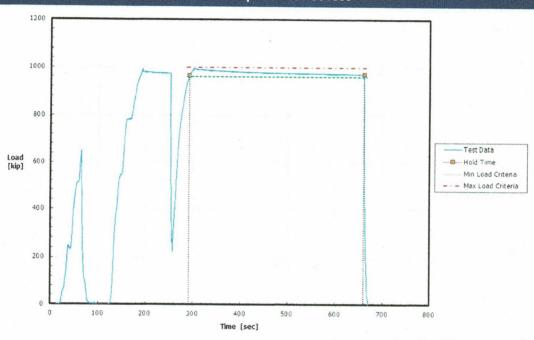
Test Approved By:

Steven Hargreaves

Test Approved On:

Thursday, December 23, 2021

#### Test Graph for L01-001569



**DELAYED USE** 

Date of 1st Use:

Job #:

Signed By:

This is to certify that the equipment listed was tested in accordance with the referenced Procedure(s) to meet the Proof testing requirements of API-8C, 5th Edition

Signed:

Steven Hargreaves,

Manager, Quality Assurance,

Volant Oil Tools Inc.

Date:

Jan 7, 2022

ISO 9001

Quality

# NORTECH ADVANCED NDT

7108 - 8th Street NW Edmonton, AB T6P 1V1 Ph: 780-449-5013 Fx: 780-449-5036 www.nortechadvanced.com

MAGNET	IC PARTICLE TESTING R	PORT - 306611
4110 56 Avenue Edmonton, Alberta T6B 3R8	DATE: INVOICE	
	JOB #: P.O. #:	338936
EQUIPMENT OWNER: VOLANT OIL TOOLS	P.O. #:	3PO12070
LOCATION: EDMONTON,AB		
	WORK O	RDERS: <b>45895</b>
TECHNIQUE DETAILS  PROCEDURE #: MTP-01 REV 7  TEST METHOD: ASTM E709 (2  ACCEPTANCE STANDARD: API 8C (5TH E		ANT SPEC.40068 REV.A
Manufacturer: PARKER CONTOUR PRO Last Calibration: Jan-04-2022	BE Type: B300 Calibration Due: Jan-05-2022	Serial #: <b>27685</b>
Manufacturer: <b>REL</b> Last Calibration: <b>Jan-04-2022</b>	Type: C4-NOMAD Calibration Due: Jan-05-2022	Serial #: <b>18052202</b>
Manufacturer: <b>WI</b> Last Calibration: <b>Sep-08-2015</b>	Type: <b>W-PT</b> Calibration Due: <b>Sep-08-2025</b>	Serial #: <b>1029</b>
Manufacturer: MAGNAFLUX Last Calibration: Jun-08-2021	Type: <b>UV LIGHT METER</b> Calibration Due: <b>Jun-08-2022</b>	Serial #: 120382
Manufacturer: <b>WI</b> Last Calibration: <b>Jan-04-2022</b>	Type: <b>COIL</b> Calibration Due: <b>Jan-05-2022</b>	Serial #: 90928
	DC Continuous Residu Fluorescent Non-Fluorescent for: FLUORESCENT GREEN	al Yoke Coil
Manufacturer: SERM  LIGHT SOURCE: Halogen 250W  SURFACE CONDITION: Bare Metal  MATERIAL TYPE: CS	Type: FLUXO 14AM  Incandescent 100W  Ground  Machined  MATERIAL THICKNESS:	Batch/Lot #: 5W53W2  glite 6 Volt Serial: RC666  Painted Welded Loose Scale Removed  VARIOUS SURFACE TEMP: 23.0°C
ITEMS TESTED  WET FLUORESCENT MAGNETIC PARTICLE TESTING  MANDREL ,CRTi 2-7.0,320 TON, 4.51F,		
PART NAME	SERIAL #	Accept Reject
(2) MANDRELS	82306-03-338936-01,02	✓

#### **TEST RESULTS & COMMENTS**

NO RELEVANT INDICATIONS WERE DETECTED AT TIME OF TESTING. BLACK LIGHT INTENSITY AT INSPECTION SURFACE WAS GREATER THAN 1200 MICRO WATTS.

CLIENT REPRESENTATIVE* (PRINT/SIGN) JADE NGUYEN / Jade Mayur	SIGNATURES	* Client representative's signature indicates acceptance of the reports and results. Nortech Advar	and NOT led in liable for association	Continued on next page
CGSB: 2 CGSB REG#: 13189 SNT-TC-1A: [] Technician (SIGN)	CLIENT REPRES	ENTATIVE* (PRINT/SIGN) JADE NGUYEN /		



7108 - 8th Street NW Edmonton, AB T6P 1V1 Ph: 780-449-5013 Fx: 780-449-5036 www.nortechadvanced.com

# **MAGNETIC PARTICLE TESTING REPORT - 306611**

MANDRELS



SIGNATURES

\* Client representative's signature indicates acceptance of the reports and results. Nortech Advanced NDT Ltd. is liable for examination costs only.

CLIENT REPRESENTATIVE\* (PRINT/SIGN) JADE NGUYEN /

Technician (PRINT) Ryan Cherwoniak

CGSB:

CGSB REG#:

13189

SNT-TC-1A: II

Technician (SIGN)

