

INSPECTION SERVICES AND ENGINEERING CERTIFICATION

AB: 780.870.1547 SK: 306.250.9294 Head Office Mail: P.O. Box 10524 Lloydminster, AB T9V 3A6

INSPECTION REPORT

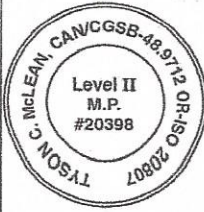
EQUIPMENT LOCATION:	Lloydminster, Alberta			NDT PROCEDURE#:			INSP-001		
EXAMINATION COVERAGE:	RANDOM:	5%	10%	25%	50%	75%	100%	X	
ACCEPTANCE CRITERIA:	CSA W59	ISO 9927-1		CAODC RP			OTHER:	X	
INSPECTION METHOD:	VT	X	UT	X	MT WET FLOURESCENT	X	MT WET BLACK	MT DRY RED	
EQUIPMENT INFO:	BLACK LIGHT MAKE -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

CLIENT:	K&S Power Tongs	UNIT/RIG:	KSV001
EQUIPMENT:	Volant Tool	MAKE/MODEL:	Volant CRTi3-7.0
RATING:	N/A	SERIAL NUMBER:	KSV001

EQUIPMENT PHOTOS



INSPECTION RESULTS

ACCEPTABLE:	X	REJECTED:	DATE OF INSPECTION:	March 18, 2019
TECHNICIAN:  DN: cn=Tyson C. McLean, o=Index NDT Inspections Ltd., ou, email=tyson @indexndt.ca, c=CA			COMMENTS: Part: Part: Mandrel Cage (7.0 - 35.0P)-03 Upper Cam - 12 Lower Cam - 12 Cam Latch - 06 Cam Int - 06 Die - 7.00" (17-23lbs.) Die - 7.00" (17-23lbs.) Die - 7.00" (17-23lbs.) Die - 7.00" (17-23lbs.) Die - 7.00" (17-23lbs.) Jaws Jaws Jaws Jaws Jaws Serial#: Serial#: 82306-03-4459A01-08 82856-4459A02-12 81190-4445A07-07 81191-4459A05-08 80813-4459A06-05 80810-4459A03-04 80928-01-4558A07-47 80928-01-4419A01-01 80928-01-4419A01-05 80928-01-4558A07-44 80928-01-4558A07-46 80929-01-4466A01-38 80929-01-4466A01-28 80929-01-4466A01-23 80929-01-4538A03-73 80929-01-4538A03-74 Material Thickness: 1.265/1.263/1.267/1.263/1.267 REPAIRS:	

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.



Volant Oil Tools Inc.
4110 56th Avenue NW
Edmonton, AB T6B 3R8 CANADA

Phone 780.490.5185
Web www.volantproducts.ca

Test Certificate No.

00459

Equipment Designation

Description: Casing Running Tool (Internal)
Tool Name: Mandrel-06, CRT13-7.0
Design Capacity: 640 kip
Test Temperature: 21.6 deg C
Manufacturer: Volant Oil Tools Inc.

Test Parameters

Test Date: 2014-08-21, 11:05 AM
Test Type: Proof Load Test
Test Load: 960 kip Minimum
Load Duration: 300 seconds (Minimum)

Test Equipment	Unique Identifier	Additional Information
Volant 5M lb Load Frame	VLF-01	Insp. Record: VOT-18328
GP:50-314 Delta P. Sensor	GP:50 Ser: # 18765	
NI 9203 4-20 mA module	NI Ser: #: 172B90E	

Test Description:

Load to 640 kip, unload, load to 960 kip, hold for 5 minutes as per Volant proof test procedure 40059.

Test Observations:

This test complies with the following standard(s)/procedure(s):
API Specification 8C, 5th Edition
40059 Volant CRT12.3-7.0 Mandrel Proof Test Procedure

Performed By:

Print Name: Andrew Fitzpatrick
Signature: *Andrew Fitzpatrick*

Approved By:

Print Name: Isaac Jenkins
Signature: *Isaac Jenkins*

Primary Load Carrying Components

Mandrel-06
Serial Number: 82306-03-4459A01-08

DELAYED USE

Date of 1st Use: Feb. 21, 2015
Job #: 19817
Signed By: *[Signature]*

