

INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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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:	KSV011	
EQUIPMENT:	Volant Tool		MAKE/MODEL:	Volant CRTI3-7.0	
RATING:	N/A		SERIAL NUMBER:	KSV011	

EQUIPMENT PHOTOS

INSPECTION RESULTS

ACCEPTABLE:	X	REJECTED:	DATE OF INSPECTION:	April 8, 2020	
TECHNICIAN:			COMMENTS:		
			Part:	Serial#:	
			Mandrel	82306-03-3J4540-03	
			Cage (7.0 - 35.0P)-04	82856-3J4463	
			Upper Cam - 20	102348-3J3560-20	
			Lower Cam - 20	104338-3J3652-18	
			Cam Latch - 20	102351-3J3558-19	
			Cam Int - 20	102349-3J4474-08	
			Die -	80928-01-4411A15-28	
			Die -	80928-01-4411A15-29	
			Die -	80928-01-4419A01-01	
			Die -	80928-01-4419A01-03	
			Die -	80928-01-4419A01-07	
			Material Thickness: 1.315/ 1.360/ 1.352/ 1.294/ 1.333		
			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.

IN-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



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

Phone +1 780.490.5185
www.volantproducts.ca

Proof Load Test

Certificate No.

1294

Test Object Designation

Unit Name: CRTI2-7.0-320t-Base
Unit ID Number: 314540-03
Main Part: Mandrel-06, CRTI2-7.0
Part Number: 82306
Design Capacity: 640 kip / 2847 kN
Manufacturer: Volant Oil Tools Inc.

Test Parameters

Test Date: June 6, 2019
Test Type: Tensile
Test Load, Min: 960 kip / 4270 kN
Test Load, Max: 989 kip / 4399 kN
Load Duration: 300 sec
Test Object Temperature: 22.3 °C

Test Equipment

Description	Unique Identifier	Calibration Due Date
Horizontal Load Frame	VLF-01	2020-03-11
-	-	-
-	-	-
-	-	-

Test Notes:

The highest applied test load was 989 kip.
The lowest load during the hold period was 967 kip.

Inspection Results:

This test complies with the following standard(s)/procedure(s):
API Specification 8C, 5th Edition
Volant Proof Test Requirements 102870

QA Approval:

Print Name: S. Hargreaves

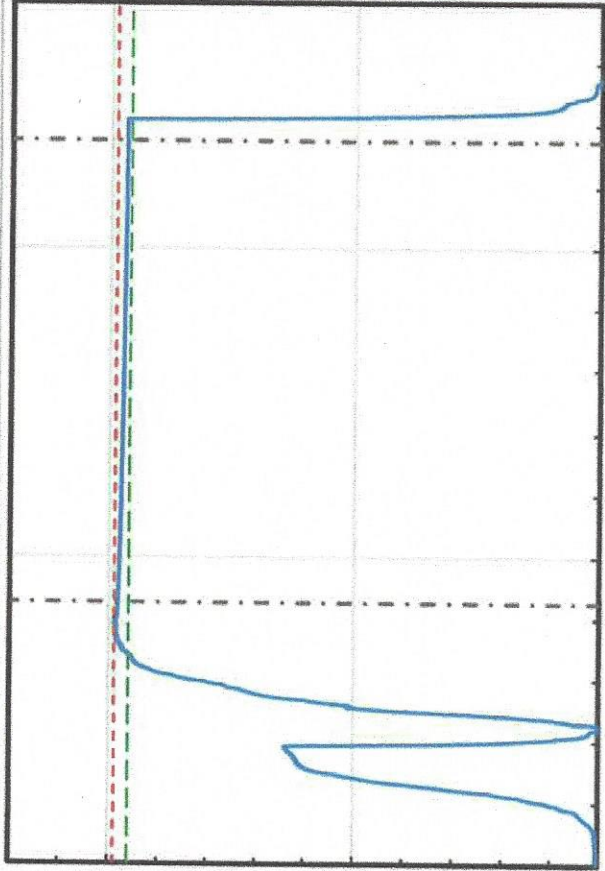
Signature:

Primary Load Carrying Components

Part Number	Serial Number
82306-03	314540-03
-	-
-	-
-	-

DELAYED USE

Date of 1st Use: Sept 7, 2019
Job #: 23844
Signed By:



450
Time [sec] Rev.2 2017-01-15
ENG-F013