

**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**

<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/RIG:</b>	KSV001
<b>EQUIPMENT:</b>	Volant Tool	<b>MAKE/MODEL:</b>	Volant CRTi3-7.0
<b>RATING:</b>	N/A	<b>SERIAL NUMBER:</b>	KSV001

**EQUIPMENT PHOTOS**

**INSPECTION RESULTS**

<b>ACCEPTABLE:</b>	X	<b>REJECTED:</b>		<b>DATE OF INSPECTION:</b>	March 20, 2020
<b>TECHNICIAN:</b>			<b>Part:</b>	<b>Serial#:</b>	
			Mandrel	82306-03-4459A01-08	
			Cage (7.0 - 35.0P)-03	82856-4459A02-12	
			Upper Cam - 12	81190-4445A07-07	
			Lower Cam - 12	81191-4459A05-08	
			Cam Latch - 06	80813-4459A06-05	
			Cam Int - 06	80810-4459A03-04	
			Die - 9 5/8" [29-40lbs.]	80929-01-4466A01-21	
			Die - 9 5/8" [29-40lbs.]	80929-01-4538A03-74	
			Die - 9 5/8" [29-40lbs.]	80929-01-4624A16-41	
			Die - 9 5/8" [29-40lbs.]	80929-01-4538A03-71	
			Die - 9 5/8" [29-40lbs.]	80929-01-4466A01-23	
			Jaws	82749-02-4473A12-04	
			Jaws	82749-02-4473A12-09	
			Jaws	82749-02-4473A12-11	
Jaws	82749-02-4473A12-06				
Jaws	82749-02-4473A12-10				
			<b>Material Thickness:</b> 1.326"/1.322"/1.322"/1.326"/1.323"		
<b>REPAIRS:</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.

INCLUSION P-POROSITY IUC-INTERNAL UNDERCUT EUC-EXTERNAL UNDERCUT S-SLAG CORATOR IP-INCOMPLETE PENETRATION NF-NON-FUSION CR-CRACK PH-PIN HOLE D-DISCONTINUITY



# Certificate of Testing

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

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

Unit Name:

Part Number:

ID Number: *KSV001*

Unit Description:

## Load Testing

### Test Parameters

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

### Test Summary

#### Test Components

#### Test Equipment

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	4459A01-08	Passed	102870	961 kips	352 s	L01-001431	Dec 2, 2019	VLF-01	Mar 11, 2020

### DELAYED USE

Date of 1st Use: *January 6, 2020*  
Job #: *23001*  
Signed By: *[Signature]*

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: Dec 4, 2019



ISO 9001  
Quality