

**INSPECTION SERVICES AND ENGINEERING CERTIFICATION**

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**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			CAOEC 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>	KSV013
<b>EQUIPMENT:</b>	Volant Tool	<b>MAKE/MODEL:</b>	Volant CRTi3-7.0
<b>REPORT#:</b>	IDX-5279	<b>SERIAL NUMBER:</b>	KSV013

**EQUIPMENT PHOTOS**

**INSPECTION RESULTS**

<b>ACCEPTABLE:</b>	X	<b>REJECTED:</b>		<b>DATE OF INSPECTION:</b>	April 8, 2024
<b>TECHNICIAN:</b>			<b>COMMENTS:</b>		
			<b>Part:</b> Mandrel- 82306-03-3J8936-01 Cage- 82856-3J8490-01 Upper Cam - 102349-3J8221-01 Lower Cam - 104338-3J8227-01 Cam Latch - 102348-3J8220-05 Cam Int - 102351-3J6522-15 Die- 82749-02-4473A12-11 Die- 82749-02-4473A12-05 Die- 82749-02-4473A12-01 Die- 82749-02-4473A12-03 Die- 82749-02-4473A12-07		
			<b>Serial#:</b> 82306-03-3J8936-01 82856-3J8490-01 102349-3J8221-01 104338-3J8227-01 102348-3J8220-05 102351-3J6522-15 82749-02-4473A12-11 82749-02-4473A12-05 82749-02-4473A12-01 82749-02-4473A12-03 82749-02-4473A12-07		
			<b>MANDREL THICKNESS:</b> 1.275"/ 1.275"/ 1.284"/ 1.280"/ 1.280"		
			<b>REPAIRS:</b> 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.

# Certificate of Testing

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## Load Testing

### Test Parameters

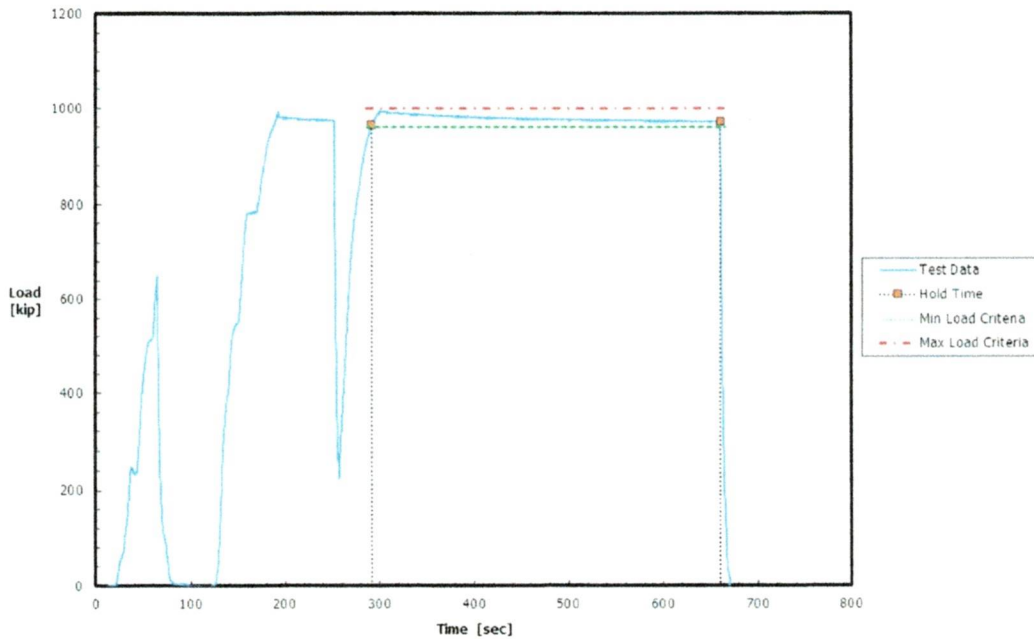
Target Test Load: 960 kips Minimum Hold Time: 300 s

### 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	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: Jan 16, 2022  
 Job #: 23849  
 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: [Signature]  
 Steven Hargreaves,  
 Manager, Quality Assurance,  
 Volant Oil Tools Inc. Date: Jan 7, 2022

