


**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**

<b>EQUIPMENT LOCATION:</b>	Lloydminster, Alberta			<b>NDT PROCEDURE#:</b>				INSP-001		
<b>EXAMINATION COVERAGE:</b>	<i>RANDOM:</i>	5%	10%	25%	50%	75%	100%	<b>X</b>		
<b>ACCEPTANCE CRITERIA:</b>	CSA W59	ISO 9927-1		CAODC RP			OTHER:		<b>X</b>	
<b>INSPECTION METHOD:</b>	VT	<b>X</b>	UT	<b>X</b>	MT WET FLOURESCENT	<b>X</b>	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>	KSV010
<b>EQUIPMENT:</b>	Volant Tool	<b>MAKE/MODEL:</b>	Volant CRTi2-4.5
<b>RATING:</b>	N/A	<b>SERIAL NUMBER:</b>	KSV010

**EQUIPMENT PHOTOS**

**INSPECTION RESULTS**

<b>ACCEPTABLE:</b>	<b>X</b>	<b>REJECTED:</b>	<b>DATE OF INSPECTION:</b>	April 6, 2021
<b>TECHNICIAN:</b>			<b>COMMENTS:</b>	
			<b>Part:</b> Mandrel 82304-03-4437A01-06 Cage 81325-4435A17-09 Upper Cam 81208-3J7423-01 Lower Cam 81221-4437A05-13 Cam Latch 81212-4437A06-10 Cam Int 80942-4437A03-13 Die - 80957-01-4589A11-44 Die - 80957-01-4589A11-48 Die - 80957-01-4589A11-45 Die - 80957-01-4589A11-46 Die - 80957-01-4589A11-06	
			<b>Serial#:</b> 82304-03-4437A01-06 81325-4435A17-09 81208-3J7423-01 81221-4437A05-13 81212-4437A06-10 80942-4437A03-13 80957-01-4589A11-44 80957-01-4589A11-48 80957-01-4589A11-45 80957-01-4589A11-46 80957-01-4589A11-06	
			<b>Material Thickness:</b> 0.904/0.898/0.903/0.903/0.896	
			<b>REPAIRS:</b> Upper Cam 81208-4437A04-15 has several cracks and was replaced with a new one.	

**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.

HN-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