


**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>	RANDOM:	5%	10%	25%	50%	75%	100%	X			
<b>ACCEPTANCE CRITERIA:</b>	CSA W59	X	ISO 9927-1	CAODC RP			2.0	OTHER:			
<b>INSPECTION METHOD:</b>	VT	X	UT	MT WET FLOURESCENT		MT WET BLACK		X	MT DRY RED		X
<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>	KS 407
<b>EQUIPMENT:</b>	Casing Elevator	<b>MAKE/MODEL:</b>	AOT/ 4 1/2" - 90°
<b>RATING:</b>	65 Ton	<b>SERIAL NUMBER:</b>	080691655

**EQUIPMENT PHOTOS**

**INSPECTION RESULTS**

<b>ACCEPTABLE:</b>	X	<b>REJECTED:</b>		<b>DATE OF INSPECTION:</b>	April 11, 2019
<b>TECHNICIAN:</b>			<b>COMMENTS: NA</b>		
 cn=Levi Kuhn, o=Index NDT Inspections Ltd., ou=Index NDT Inspections Ltd., email=LEVI@IND EXNDT.CA, c=CA			<b>REPAIRS: NA</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.

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

# CERTIFICATE OF COMPLIANCE

**CLIENT:** K & S Power Tongs  
**UNIT:** KS 407  
**EQUIPMENT:** Casing Elevator  
**MANUFACTURER:** AOT  
**MODEL:** 4 ½" - 90°  
**RATING:** 65 Ton  
**SERIAL #:** 080691655  
**LOCATION:** Lloydminster, AB  
**INSPECTION DATE:** April 11, 2019

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**CONDITIONS OF USE:**

1. Identification and rating to be permanently affixed in a visible location
2. Visually inspect equipment prior to each use
3. Maintain equipment in good condition

**CERTIFICATION:**

Index NDT Inspections Limited performed a VISUAL AND MAGNETIC PARTICLE inspection on the above-mentioned OVERHEAD EQUIPMENT after it was cleaned and disassembled. All observations have been recorded and are disclosed in the Index NDT Inspections Ltd. report for the OVERHEAD EQUIPMENT with the serial #**080691655**. The scope of this certificate is limited to the inspection of item's structural condition at the time of inspection and does not imply a review of the equipment's design or it's associated capacity rating. The capacity noted above reflects the original equipment manufacturer's maximum capacity rating and may be reduced by operating conditions, regulatory requirements and the use of auxiliary equipment that has a lower capacity rating.

The undersigned Engineer reviewed all the inspection reports and has issued this certificate after all repairs (if any) were completed. In the undersigned engineer's opinion, the OVERHEAD EQUIPMENT #**080691655** may be returned to service and operated within the original manufacturer's specifications. The equipment owner must provide the OEM's operating instructions with the equipment and maintain the OEM's identification and capacity markings. If OEM cannot be obtained, certified replacements must be obtained.

**VALIDATION:**

This certification covers the above-mentioned unit for a period of 500 operating days from the "inspection date" listed above, as per CAODC Recommended Practice 2.0, or until the unit is damaged by handling, transportation or operation.

Reviewed By:

