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## INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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### CERTIFICATE OF COMPLIANCE

<b>CLIENT:</b>	K & S Power Tongs
<b>UNIT:</b>	KS702
<b>EQUIPMENT:</b>	Side door casing elevator
<b>MANUFACTURER:</b>	AOT
<b>MODEL:</b>	7"
<b>RATING:</b>	65 Ton
<b>SERIAL #:</b>	11549
<b>LOCATION:</b>	Lloydminster, AB
<b>INSPECTION DATE:</b>	May 31, 2017

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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:

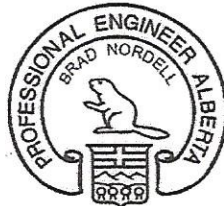
Index NDT Inspections Limited performed a VISUAL AND MAGNETIC PARTICLE inspection on the above-mentioned OVERHEAD EQUIPMENT after it was cleaned and disassembled. All observations have been recorded and are disclosed in the Index NDT Inspections Ltd. report for the OVERHEAD EQUIPMENT with the serial #11549. 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 #11549 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:



APEGA PERMIT 12589

*Brad Nordell*

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Lloydminster: 780.870.1547    Saskatoon & North Battleford: 306.955.1500    Prince Albert: 306.250.9294

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*QUALITY ASSURED INSPECTIONS FOR QUALITY ASSURED BUSINESSES*



# INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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P.O. Box 10524  
Lloydminster, AB  
T9V 3A6

Lloydminster: 780.870.1547  
Saskatoon: 306.955.1500  
Prince Albert: 306.250.9294  
North Battleford: 306.955.1500

## INSPECTION REPORT

EQUIP. LOCATION: LLOYDMINSTER, AB NDT PROCEDURE#: INSP 001

EXAMINATION COVERAGE: RANDOM \_\_\_\_\_; 5% \_\_\_\_\_; 10% \_\_\_\_\_; 15% \_\_\_\_\_; 100% X

ACCEPTANCE CRITERIA: CSA W59 \_\_\_\_\_; CSA Z150-11 \_\_\_\_\_; CSA B167-08 \_\_\_\_\_;

ISO 9927-1 \_\_\_\_\_; ISO 23814:09 \_\_\_\_\_; ISO 10423:2009 \_\_\_\_\_; CAODC RP 2.0 \_\_\_\_\_; OTHER:

YOKE MODEL: ES-X YOKE SERIAL #17350 LEG SPACING: 6"

METHOD: VISUAL X; WET FLOURESCENT \_\_\_\_\_; WET BLACK X; DRY RED X; DRY GREY \_\_\_\_\_;

BLACK LIGHT SERIAL # INOVA LIGHT METER #1822158 MAG COIL SERIAL# RC1-30120121

**CLIENT:**

K&S Power Tong

**EQUIPMENT:**

Side Door Casing Elevator

**MAKE:**

AOT

**MODEL:**

7"

**RATING:**

65 TON

**UNIT#:**

KS702

**SERIAL#:**

11549



A VISUAL AND MAGNETIC PARTICLE INSPECTION WAS COMPLETED ON THE ABOVE MENTIONED EQUIPMENT.  
NO FLAWS WERE FOUND AT THE TIME OF THE FINAL INSPECTION.

EXAMINATION EVALUTION AT THE TIME OF INSPECTION; ACCEPTABLE X; REJECTED \_\_\_\_\_

COMMENTS: NA

DATE OF EXAMINATION: May 31, 2017

Inspected By:



cn=Levi Kuhn,  
o=Index NDT  
Inspections Ltd.,  
ou=Index NDT  
Inspections Ltd.,  
email=LEVI@IN  
DEXNDT.CA,  
c=CA

### 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 customers request.

I-INCLUSION P-POROSITY IUC-INTERNAL UNDERCUT EUC-EXTERNAL UNDERCUT S-SLAG C-CRATOR IP-INCOMPLETE PENETRATION NF-NON-FUSION CR-CRACK PII-PIN HOLE D-DISCONTINUITY