

## INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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## INSPECTION REPORT

EQUIP. LOCATION: **LLOYDMINSTER, SK** 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 **4.0** \_\_\_\_\_; OTHER:  
 YOKE MODEL: **ES-X** YOKE SERIAL #**17350** LEG SPACING: **6"**  
 METHOD: VISUAL **X** \_\_\_\_\_; UT \_\_\_\_\_ WET FLOURESCENT \_\_\_\_\_; WET BLACK \_\_\_\_\_; DRY RED **X** \_\_\_\_\_; DRY GREY \_\_\_\_\_;  
 BLACK LIGHT SERIAL # **INOVA** LIGHT METER #**1822158** MAG COIL SERIAL# **RC1-30120121**

**CLIENT:** K&S Power Tongs Ltd.  
**UNIT:** KS 150  
**EQUIPMENT:** Casing Elevator  
**MODEL:** 3 1/2" - 7 " Type YC Elevator  
**RATING:** 75 Ton  
**SERIAL#:** NL63533



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: Inspected partially assembled.

DATE OF EXAMINATION: **August 30, 2017**

Inspected By:

### *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.



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## INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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### CERTIFICATE OF COMPLIANCE

<b>CLIENT:</b>	K&S Power Tongs Ltd.
<b>UNIT:</b>	KS 150
<b>EQUIPMENT:</b>	Casing Elevator
<b>MANUFACTURER:</b>	Varco BJ
<b>MODEL:</b>	3 ½" - 7" Type YC Elevator
<b>RATING:</b>	75 Ton
<b>SERIAL #:</b>	NL63533
<b>LOCATION:</b>	Lloydminster, SK
<b>INSPECTION DATE:</b>	August 30, 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 #**NL63533**. 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 #**NL63533** 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: