



INSPECTION SERVICES AND ENGINEERING CERTIFICATION

CERTIFICATE OF COMPLIANCE

CLIENT:	K & S Power Tongs
UNIT:	KS406
EQUIPMENT:	Casing Elevator
MANUFACTURER:	AOT
MODEL:	4 ½" - 90°
RATING:	65 Ton
SERIAL #:	10129047
LOCATION:	Lloydminster, AB
INSPECTION DATE:	October 20, 2016

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:

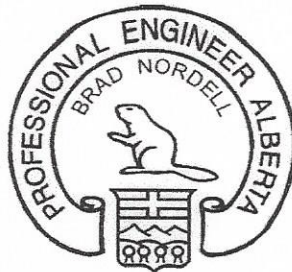
Index NDT Inspections Limited performed a VISUAL AND MAGNETIC PARTICLE inspection on the above-mentioned OVERHEAD EQUIPMENT after it was cleaned and disassembled. All observations have been recorded and are disclosed in the Index NDT Inspections Ltd. report for the OVERHEAD EQUIPMENT with the serial #10129047. 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 #10129047 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

Digitally signed by Brad Nordell
Date: 2016.10.21 11:45:14
-06'00'

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

QUALITY ASSURED INSPECTIONS FOR QUALITY ASSURED BUSINESSES



INSPECTION SERVICES AND ENGINEERING CERTIFICATION

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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 _____; API 8B **X**; CAODC RP **2.0**; OTHER:
YOKE MODEL: **ES-X** YOKE SERIAL #**17350** LEG SPACING: **6"**
METHOD: VISUAL **X**; UT _____ 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 Tongs
UNIT/RIG: KS406
EQUIPMENT: Casing Elevator
MODEL: 4 1/2"
RATING: 65 Ton
SERIAL#: 10129047



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: Due to minimal usage, the above-mentioned unit was not fully disassembled for this inspection. All accessible critical areas at the time of the inspection were inspected using MT and VT methods.

DATE OF EXAMINATION: **October 20, 2016**

Inspected By: DN: cn=Tyson
C. McLean,
o=Index NDT
Inspections
Ltd., ou,
email=tyson
@indexndt.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 PH-PIN HOLE D-DISCONTINUITY