



- ALCO MACHINE WORKS
- ALCO CNC INDUSTRIES
- ALCO HYDRA OIL TOOL
- ALCO INDUSTRIAL EQUIPMENT
- ALCO FLOW CONTROL
- ALCO INDUSTRIAL

6925 - 104 Street  
Edmonton, Alberta  
Canada T6H 2L5

Phone: (780) 435-3502 • Fax: (780) 436-1858

## CERTIFICATE OF INSPECTION

Date: May 04, 2017

Equipment Owner : **Edcon Power Tong Services Ltd.**  
P.O. Box 209  
LacLaBiche, Alberta  
T0A 2C0

Rig # :

Equipment Description: **13 3/8" 90° - SLX 65 Ton  
AOT Side Door Casing Elevator**

Serial Number : **104313**  
Inspection Report : **H-32933**  
Job Number : **62844**

The undersigned hereby certifies that an inspection has been carried out on the above mentioned equipment in accordance with the applicable standards:

**CAODC R.P. 1.0, 1.0A, 2.0, 3.0, 4.0, 5.0**

American Petroleum Institute Specification 8C / 7K

**Inspection Method :** ASTM E-709 *Standard Guide for Magnetic Particle Inspection*

**Inspection Method :** ASTM E-165 *Standard Guide for Liquid Penetrant Inspection*

**Inspection Method:** ASTM E-110 *Standard Guide For Hardness Testing*

Inspection Performed In Accordance With ASME Sec. 8, Div. 1, App. 6

**Acceptance Standard:** ASTM E-125 *Reference Photographs For Magnetic Particle Indications*

Load Test #: ALCO LT 1705 62844

**No Discontinuities Noted At Time Of Final Inspection  
After Load Test**

Technician: L. Ponech

C.G.S.B. 10873

Signed: \_\_\_\_\_





**ALCO INC. HEAD OFFICE**  
6925 - 104 Street, Edmonton, Alberta T6H 2L5  
Office: (780) 435-3502  
Website: www.alcoinc.ca

May 4, 2017

Edcon Power Tongs + Oilfield Services Ltd.  
Box 209  
Lac La Biche, Alberta  
T0A 2C0

### EQUIPMENT CERTIFICATION

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<b>CUSTOMER:</b>	Edcon Power Tongs + Oilfield Services Ltd.
<b>CUSTOMER EQUIPMENT # :</b>	1315
<b>CUSTOMER RIG # :</b>	N/A
<b>EQUIPMENT DESCRIPTION:</b>	AOT Side Door Casing Elevator
<b>EQUIPMENT RATING:</b>	13 3/8" - 90° - 65 Ton (57827-daN)
<b>INSPECTION COMPANY / REPORT #:</b>	Alco / H-32933
<b>ALCO ENGINEERING FILE # :</b>	62844-E
<b>ALCO WORK ORDER # :</b>	62844

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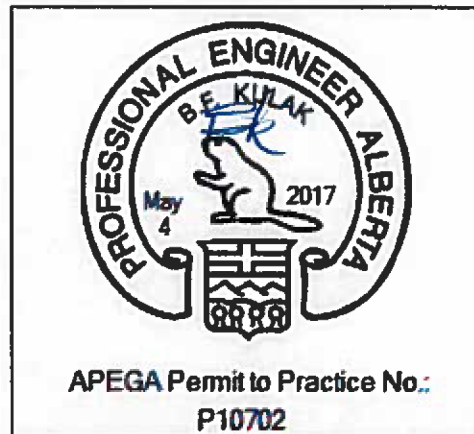
This document certifies that all parts and/or assemblies for the equipment listed above, have undergone a Level IV inspection and repair as per Canadian Association of Oilwell Drilling Contractors (CAODC) R.P. 2.0.

All Engineering, material acceptance, repairs, modifications, dimensional inspections, proof test and non-destructive testing (NDT) were performed, or approved by Alco Inc. qualified personnel.

The equipment may be returned to service at the referenced equipment rating.

This certification is valid for a period of 500 operating days from the date indicated on the Engineer's stamp shown below, or until such time that the equipment has been damaged either as a result of operation, transportation or handling.

Brian Kulak, P.Eng  
Sr. Engineer  
Alco Inc.



<b>Report # : NDT17716-TS1165</b>	<b>Asset ID : 104313 (Tool# 1315)</b>
Client : Edcon Power Tongs & Oilfield - Lac La Biche	Branch : Lac La Biche
Inspection Date : Oct 23, 2017	Client WO :
Inspection Location : Lac La Biche	Client PO : Jay
Client Ref : MPI Inspection	

### Red Flame Industries Testing Equipment

Yoke				
Make	Model	Serial#	Calibration	Expires Date
Magnaflux	Y-1	762	Feb 16, 2017	Feb 16, 2018

### Magnetic Particle Examination Information and Results

Material Type: Carbon Steel  
 Temperature: 0° to 20°C  
 Surface Preparation: Painted  
 Acceptance Criteria: Red Flame Engineering Acceptance

Technique Used: AC Dry Powder - Continuous  
 Procedure: MT-1 Rev. 8.3  
 In accordance with codes: ASME V Article 7, ASME B30.20

#### Results

**Magnetic Particle Examination Conducted On - Casing Elevator - 13.375" - 339.725MM  
 65 Ton - 104313 (Tool# 1315)**

Visible Dry Particle Examination Conducted With AC Powered Yoke.

Multidirectional Field Achieved By Repositioning Yoke At Right Angles In Each Area Examined.  
 Powder Applied With Hand Blower. Batch Number 16F104 Powder Removal By Light Exhalation.  
 Minimum White Light At Examination Surface: 1000 Lux. Particle Size 2-6 im. Particle Color: YELLOW.

Examination Conducted On 13" Elevator; All Accessible Surfaces, Transition Areas And Lift Points On Fully Assembled Painted Elevator As Requested.

Results: No Relevant Indications Were Detected At The Time Of Examination.

See Photo.

### Red Flame Industries Personnel Information

Technician: Tom Schulz  
 SNT-MT2  
 SNT-UT2  
 SNT-PT2  
 CGSB-MT2 - 17965

Assistant:

Signature:





1315.jpg

Report Attachments