



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

6925 - 104 Street  
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May 17, 2012

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

**Equipment Certification**

<b>Rig No.:</b>	N/A
<b>Equipment:</b>	AOT Side Door Casing Elevator
<b>Model:</b>	7" - 90° - SLX 150 Ton
<b>Customer P.O.:</b>	N/A
<b>Serial No.:</b>	EQ# 790
<b>Inspection Report No.:</b>	H-28066
<b>Alco Sales/Engineering No.:</b>	22423-E
<b>APEGGA Permit to Practice No.:</b>	P10702
<b>Alco Shop Work Order # :</b>	18348

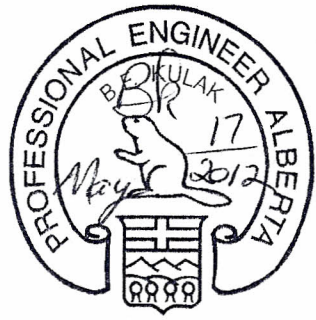
The above-mentioned elevator required a Level IV inspection (as per Canadian Association of Oilwell Drilling Contractors, R.P. 2.0), applicable repairs, and certification for service.

A magnetic particle (MT) inspection was conducted on March 27, 2012, after the elevator was completely disassembled and sandblasted.

Repair procedures were developed based on the MT inspection report as well as a thorough visual examination performed by qualified personnel with Alco Inc.

Based on the final inspection on May 17, 2012, after load testing, it is our opinion that the elevator is a safe operating unit and may be returned to service within the manufacturer's original rating and specification.

This certification is valid for a period of 500 operating days, as per the recommendations provided by the Canadian Association of Oilwell Drilling Contractors, or until the elevator has been damaged either as a result of operation, transportation or handling.



<b>Report # : NDT15370-XEB31</b>	<b>Asset ID : EQ#790 (Tool# 790)</b>
Client : Edcon Power Tongs & Oilfield - Lac La Biche	Branch : Lac La Biche
Inspection Date : Dec 07, 2016	Client WO :
Inspection Location : Lac La Biche	Client PO : JAY
Client Ref :	

Red Flame Industries Testing Equipment				
Yoke				
Make	Model	Serial#	Calibration	Expires Date
Magnaflux	Y-1	936	Jan 27, 2016	Jan 27, 2017

**Magnetic Particle Examination Information and Results**

Material Type: Carbon Steel      Technique Used: AC Dry Powder - Continuous  
 Temperature: 0° to 20°C      Procedure: MT-1 Rev. 1.3  
 Surface Preparation: Painted      In accordance with codes: ASME V Article 7, ASME B30.20  
 Acceptance Criteria: Client Specification - No Cracks

**Results**

**Magnetic Particle Examination Conducted On - Casing Elevator - 7.000" - 177.800MM  
 150 Ton - EQ#790 (Tool# 790)**

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 13M071 Powder Removal By Light Exhalation.  
 Minimum White Light At Examination Surface: 1000 Lux. Particle Size 2-6 μm.  
 Particle Color: Grey.

Examination Conducted On All Accessible Surface Area On Fully Assembled 90 Degree Casing Elevator, Tool # 790, As Requested.

Make: AOT  
 Model: SLX  
 Size: 7.000" - 177.800MM  
 Capacity: 150 Ton  
 Latch: Side Door DBL  
 Serial Number: EQ#790

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

Please See Attached Photo For More Information.

**Red Flame Industries Personnel Information**

Technician: Emily Borden

Assistant: Matthew Paterson

SNT-MT2  
 SNT-PT2  
 SNT-UT2

Signature: