

□ 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

May 31, 2010

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

<u>Equipme</u>	Equipment Certification					
Rig No.:	N/A					
Equipment:	AOT Side Door Casing Elevator					
Model:	7" - 90° - 65 Ton					
Customer P.O.:	N/A					
Serial No.:	EQ# 787					
Inspection Report No.:	H-24567					
Alco Sales/Engineering No.:	4652-E					
APEGGA Permit to Practice No.:	P10702					
Alco Shop Work Order # :	3661					

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 April 22, 2010, 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 gualified personnel with Alco Inc.

Based on the final inspection on May 31, 2010, 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.



Red Flame Industries



Report #	:	NDT17716-TS1110	

Client : Edcon Power Tongs & Oilfield - Lac La Biche Inspection Date : Oct 23, 2017 Inspection Location : Lac La Biche Client Ref : MPI Inspection Asset ID : TOOL #787 7" ELEVATOR

Branch : Lac La Biche

Client WO :

Client PO: Jay

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 - Elevator - TOOL #787 7" ELEVATOR

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 7" 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

Assistant:

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

Signature:

Red Flame Industries

Red Flame Industries





787.jpg Report Attachments

NDT17716 Generated on 01 Nov, 2017 **Red** Flame Industries

6736-71 Street, Red Deer Alberta, Canada T4P 3Y7 Phone: (403) 343-2012 Toll Free: (888) 846-8827 Page 2 of 2