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ALCO MACHINE WORKS □ ALCO CNC INDUSTRIES ALCO HYDRA OIL TOOL ALCO INDUSTRIAL EQUIPMENT

□ ALCO FLOW CONTROL

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ALCO INDUSTRIAL

December 02, 2009 Edcon Power Tongs + Oilfield Services Ltd. Box 209 Lac La Biche, Alberta

Equipment Certification Rig No.: N/A Equipment: Web Wilson Side Door Casing Elevator Model: 8 5/8" - 90° - H 150 Ton (c/w 7" Bushing) Customer P.O.: N/A Serial No.: 862 H-12122 Inspection Report No.: Engineering File No.: 101060-E **APEGGA Permit to Practice No.:** P10702

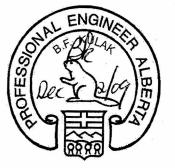
The above-mentioned elevator required a Level IV inspection (as per Canadian Association of Oilwell Drilling Contractors, R.P. 2.0), applicable repairs, and certification for service.

A magnetic particle (MT) inspection was conducted on October 26, 2009, 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 November 23, 2009, 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



Asset ID : ALCO030956058 (Tool# 862)

Branch: Lac La Biche

Client WO : Client PO : Jay

| Report # : NDT17716-TS1083 | | | | |
|----------------------------|--|--|--|--|
| Client : | Edcon Power Tongs & Oilfield - Lac La Biche | | | |
| Inspection Date : | Oct 23, 2017 | | | |
| Inspection Location : | Lac La Biche | | | |

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 - 8.625" - 219.075MM 150 Ton - ALCO030956058 (Tool# 862)

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 8" 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:

Red Flame Industries





862.jpg Report Attachments

Red Flame Industries

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