

ALCO MACHINE WORKS

ALCO CNC INDUSTRIES

ALCO HYDRA OIL TOOL

ALCO INDUSTRIAL EQUIPMENT

ALCO FLOW CONTROL

ALCO INDUSTRIAL

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April 07, 2010

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

Equipment Certification

Rig No .:

Equipment:

BVM Casing Elevator

Model: 4 1/2" - 90° - 100 Ton Customer P.O.:

N/A

Serial No.:

EQ#475

Inspection Report No.:

H-24227

Alco Sales/Engineering No.:

2265-E

APEGGA Permit to Practice No.:

Alco Shop Work Order #:

P10702 1503

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 January 20, 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 qualified personnel with Alco Inc.

Based on the final inspection on April 07, 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-TS1126 Asset ID : 03511 (Tool# 475)

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 Technique Used: AC Dry Powder - Continuous

Temperature: 0° to 20°C Procedure: MT-1 Rev. 8.3

Surface Preparation: Painted In accordance with codes: ASME V Article 7, ASME B30.20

Acceptance Criteria: Red Flame Engineering Acceptance

Results

Magnetic Particle Examination Conducted On - Casing Elevator - 4.500" - 114.300MM 100 Ton - 03511 (Tool# 475)

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 4.5" 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

Assistant:

SNT-UT2 SNT-PT2

CGSB-MT2 - 17965

Signature:

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Report Attachments

