ALCO INC.
ENERGY INDUSTRIES

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6925 - 104 Street
Edmonton, Alberta
Canada T6H 2L5

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

April 19, 2010

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

Equipment Certification

Rig No.:	***N/A***
Equipment:	***BJ Slip Type Elevator***
Model:	***YC - 75 Ton c/w Slip Assembly***
Customer P.O.:	***N/A***
Serial No.:	***EQ#780***
Inspection Report No.:	***H-11566***
Alco Sales/Engineering No.:	***2592-E***
APEGGA Permit to Practice No.:	***P10702***
Alco Shop Work Order # :	***1767***

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 February 16, 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 19, 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.

PROFESSIONAL ENGINEER ALBERTA
B. DIKULAK
DK
19
Apr
2010

Red Flame Industries

Report # : NDT17716-TS1210	Asset ID : ALCO030654957 (Tool# 780)

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 - 7.000" - 177.800MM 75 Ton - ALCO030654957 (Tool# 780)

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 ìm. 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

Technician: Tom Schulz

SNT-MT2
SNT-UT2
SNT-PT2
CGSB-MT2 - 17965

Assistant:

Signature:

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

Ignite the possibilities

IMG_2047.JPG

Report Attachments

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