INSPECTIONS & ENGINEERING

609 - 21 Avenue Nisku, Alberta T9E 7X9
Phone: 780-955-9688 Fax: 780-955-9389
NON-DESTRUCTIVE EXAMINATION & ENGINEERING
24 Hour Service

EQUIPMENT CERTIFICATION

July 13, 2009 **Rev #: 1** **November 9, 2009**

Issued to:

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

Equipment:	**AOT Side Door Casing Elevator**
Model:	**8-5/8"-90°, SLX 65-Ton, c/w Safety Latch Lock Pin**
Stamped:	**T&T 36752**
Equipment #:	**855**
T & T Field Report #:	**36752**
Hi Quality Machine & Oilfield	**W.O.# 360**
Engineering File #:	**090616140**

The above-mentioned equipment required a Level IV inspection, repairs where needed and certification for service.

T & T Inspections & Engineering Ltd. conducted the magnetic particle inspection and visual examination. Recommended repair procedures were given to Hi Quality Machine & Oilfield Repair Ltd.

Based on the final inspection and review of critical dimensions, components and load test results, it is our opinion that the equipment is a safe operating unit and may be returned to service within the manufacturer's original ratings and specifications.

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 unit has been damaged either as a result of operation, transportation or handling.

PERMIT TO PRACTICE
T & T INSPECTIONS & ENGINEERING LTD.
Signature G. Smordin
Date November 9, 2009
PERMIT NUMBER: P 6501
The Association of Professional Engineers, Geologists and Geophysicists of Alberta

PROFESSIONAL ENGINEER ALBERTA
GARY M. SMORDIN

November 9, 2009

Red Flame Industries

Report # : NDT17716-TS1086		Asset ID : 26422 (Tool# 855)	
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 - 8.625" - 219.075MM
65 Ton - 26422 (Tool# 855)

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

855.jpg

Report Attachments

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