

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

# **EQUIPMENT CERTIFICATION**

April 22, 2010

Issued to:

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

Equipment: . . . . . . . . . . . Web Wilson Side Door Casing Elevator, c/w

Safety Latch Pin Kit

Model: . . . . . . . . . . . . . . . . Type AC, 4½"-90°, Casing, 100-Ton

T & T Field Report #: . . . . . . . 37283

Hi Quality Machine & Oilfield W.O.# 0677

Engineering File #: . . . . . . . . 100116673

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\_\_\_

Date

PERMIT NUMBER: P 6501

The Association of Professional Engineers, Geologists and Geophysicists of Alberta

ENGINEER SANOROD PLEASER

### **Red Flame Industries**



Report # : NDT17716-TS1197 Asset ID : Unit 563

Client : Edcon Power Tongs & Oilfield - Lac

Branch: Lac La Biche

Inspection Date: Oct 23, 2017
Inspection Location: Lac La Biche

Client WO : 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 - Unit 563

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 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 SNT-UT2

SNT-PT2 CGSB-MT2 - 17965 Assistant:

Signature:

School

# **Red Flame Industries**





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## Report Attachments

