

INSPECTIONS & ENGINEERING

800 - 21 Avenue Nisku, Alberta T9E 7X9
Phone: 780-955-8688 Fax: 780-955-9389
NON-DESTRUCTIVE EXAMINATION & ENGINEERING
24 Hour Service

EQUIPMENT CERTIFICATION

August 18, 2009

Issued to:

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

Equipment: Web Wilson Drill Collar Elevator
Model: 9"-90", C 100-Ton
Stamped: T&T 36808
Equipment #: 842
T & T Field Report #: 36808
HI Quality Machine & Oilfield W.O.# 355
Engineering File #: 090716165

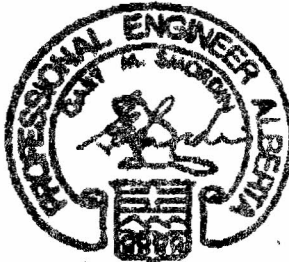
The above-mentioned equipment required a Level IV inspection, repairs where needed and certification for service.

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: <i>[Signature]</i>
Date: <i>August 18, 2009</i>
PERMIT NUMBER: P 8501
The Association of Professional Engineers, Geologists and Geophysicists of Alberta



August 18, 2009

Report # : NDT17716-TS1025		Asset ID : ALCO030654813 (Tool# 842)	
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
100 Ton - ALCO030654813 (Tool# 842)**

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 μ m. 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:





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Report Attachments