



INSPECTIONS & ENGINEERING

2107 - 6 Street, Nisku, Alberta T9E 7X8
Phone: 780-955-9688 Fax: 780-955-9389
NON-DESTRUCTIVE EXAMINATION & ENGINEERING
24 Hour Service

EQUIPMENT CERTIFICATION

January 28, 2015

Issued to:

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

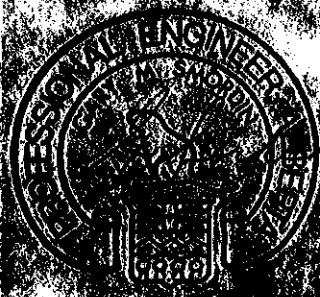
Equipment: AOT Side Door Casing Elevator
Model: 13-3/8" x 90°, SLX 65-Ton
Stamp: T&T 45536
Equipment #: 1314
T & T Field Report #: 45536
HI Quality Machine & Oilfield W.O.# 6618
Engineering File #: 141222616

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.



Report # : NDT17716-TS1164	Asset ID : 45536 (Tool# 1314)
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 - 13.375" - 339.725MM
 65 Ton - 45536 (Tool# 1314)**

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 13" 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:





1314.jpg

Report Attachments