



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

November 29, 2012

Issued to:

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

Equipment: Mud King Drill Pipe Elevator
Model: DDZ 3½" EU x 18°, RG 150-Ton
Serial #: 20638
Equipment #: DP 308
Hi Quality Machine & Oilfield W.O.# 4297
Engineering File #: 121120005

The above-mentioned equipment required a Level IV inspection, repairs where needed and certification for service. The elevator was in new manufactured condition at the time of the inspection.

Magnetinc particle inspection was performed by Jiangsu Rutong Petro. Machinery Co.

Based on the provided documentation and review of critical dimensions, it is our opinion that the equipment is a safe operating unit and may be placed into 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 <u>G. Sordin</u>
Date <u>November 29, 2012</u>
PERMIT NUMBER: P 6501
The Association of Professional Engineers and Geoscientists of Alberta



November 29, 2012

Report # : NDT17716-TS1145	Asset ID : 20638 (Tool# 308)
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 - Drill Pipe Elevator - 3.500" - 88.900MM
150 Ton - 20638 (Tool# 308)**

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 3" 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:





308.jpg

Report Attachments