



INSPECTIONS & ENGINEERING

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Phone: 780-955-9688 Fax: 780-955-9389
NON-DESTRUCTIVE EXAMINATION & ENGINEERING
24 Hour Service

EQUIPMENT CERTIFICATION

June 15, 2015

Issued to:

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

Equipment: **B.J. Side Door Casing Elevator**
Model: **9-5/8" x 90°, SLX 150-Ton, c/w Safety Latch
Lock Pin**
Stamp: **T&T 46011**
Equipment #: **945**
T & T Field Report #: **46011**
Hi Quality Machine & Oilfield **W.O.# 6889**
Engineering File #: **150622930**

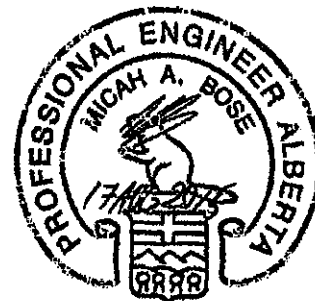
The above-mentioned equipment required a Level IV inspection, repairs where needed and certification for service.

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 inspection and review of critical dimensions and components, 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 _____	COPY
Date <u>17 AUG 2015</u>	
PERMIT NUMBER: P 6501	
The Association of Professional Engineers, Geologists and Geophysicists of Alberta	



Report # : NDT15370-XEB15	Asset ID : TT 25639 (Tool #945)
Client : Edcon Power Tongs & Oilfield - Lac La Biche	Branch : Lac La Biche
Inspection Date : Dec 07, 2016	Client WO :
Inspection Location : Lac La Biche	Client PO : JAY
Client Ref :	

Red Flame Industries Testing Equipment

Yoke				
Make	Model	Serial#	Calibration	Expires Date
Magnaflux	Y-1	936	Jan 27, 2016	Jan 27, 2017

Magnetic Particle Examination Information and Results

Material Type: Carbon Steel
 Temperature: 0° to 20°C
 Surface Preparation: Painted
 Acceptance Criteria: Client Specification - No Cracks

Technique Used: AC Dry Powder - Continuous
 Procedure: MT-1 Rev. 1.3
 In accordance with codes: ASME V Article 7, ASME B30.20

Results

Magnetic Particle Examination Conducted On - Casing Elevator - 9.625" - 244.475MM 150 Ton - TT 25639 (Tool #945)

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 13M071 Powder Removal By Light Exhalation.
 Minimum White Light At Examination Surface: 1000 Lux. Particle Size 2-6 µm.
 Particle Color: Grey.

Examination Conducted On All Accessible Surface Area On Fully Assembled 90 Degree Casing Elevator, Tool # 945, As Requested.

Make: BJ
 Model: SLX
 Size: 9.625" - 244.475MM
 Capacity: 150 Ton
 Latch: Side Door DBL
 Serial Number: TT25639

MPI Results: No Relevant Indications Were Detected At The Time Of Examination.

Please See Attached Photo For More Information.

Red Flame Industries Personnel Information

Technician: Emily Borden

Assistant: Matthew Paterson

SNT-MT2
 SNT-PT2
 SNT-UT2

Signature:

