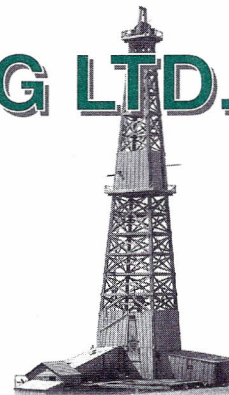


NORTHSTAR ENGINEERING LTD.

OUR FILE: 12-145-001

30 May 2012

Edcon Power Tongs Services Ltd.
Box 209
LAC LA BICHE, AB
T0A 2C0



CERTIFICATION of OVERHEAD EQUIPMENT

EQUIPMENT:	ELEVATOR ASSEMBLY
MANUFACTURER:	WTM 4" x 18° 150 TON ELEVATOR WITH 3½" BUSHING
REPAIR FACILITY:	HI QUALITY MACHINE & OILFIELD REPAIR LTD.
EQUIPMENT STAMP IDENTIFICATION:	M-3833
HI QUALITY JOB NUMBER:	3493
OWNER:	EDCON POWER TONGS SERVICES LTD.
COMPANY NUMBER:	307

This certification covers the WTM 150 ton elevator owned by Edcon Power Tongs Services Ltd. Inspection of this equipment was carried out by Tartan NDT Services Ltd. (Mr. G. McLean, CGSB 4901 Level II) on May 18, 2012 using magnetic particle inspection techniques, report M-3835, and a final inspection was completed on May 28, 2012, report M-3833 with no defects being apparent at final inspection.

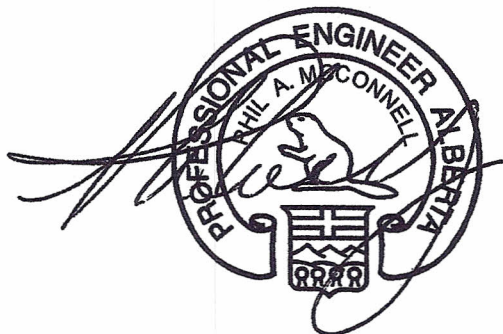
All repairs were carried out by Hi Quality Machine & Oilfield Repair Ltd. personnel to acceptable standards supplied by the undersigned. All pins and springs were changed to new material, ANSI 4140 specification.

This level IV certification is valid for 500 days in accordance with the recommended practices of CAODC RP-2.0 or until the equipment is damaged by handling or operation. This equipment must be inspected by a qualified person at the commencement of each work shift. If the equipment shows any damage or wear it must be taken out of service for repair and recertification.

NORTHSTAR ENGINEERING LTD.

APEGGA PERMIT #08391

Marcus McConnell
SENIOR TECHNOLOGIST



Reviewed by:
P. A. McConnell, P.Eng.

5331 - 91 Street, Edmonton, AB T6E 6E2

T. 780.450.8005 F. 780.450.8016 E. info@northstarengineering.ca • www.northstarengineering.ca

Report # : NDT17716-TS1147		Asset ID : M-3833 (Tool# 307)	
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 - 4"000" - 101.600MM
150 Ton - M-3833 (Tool# 307)**

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:





307.jpg

Report Attachments