



# REES N.D.T. INSPECTION SERVICES 2008 LTD.



G20-2  
MAY

15612-89 Street  
Grande Prairie, AB T8V 2N8

Grande Prairie  
(780) 539-3594  
(780) 532-8047 (Fax)

Dispatch  
1-888-540-3594  
www.reesndt.com

Vegreville  
(780) 603-4887  
Email: gcoers@reesndt.com

INSPECTION DATE: 17-Mar-23

CLIENT: Bry-tan Trucking

ADDRESS: Box 10655

Lloydminster AB T9V 3A7

REES NDT PO NUMBER: R72688

CLIENT PO NUMBER: 2078

REES NDT WO NUMBER: 60398

## INSPECTION CERTIFICATE

CERTIFICATION OF: **Block Assembly**

MAKE: **McKissick**

MODEL: **EZE25D12H**

SERIAL NUMBER: **41117610**

CAPACITY: **25 ton**

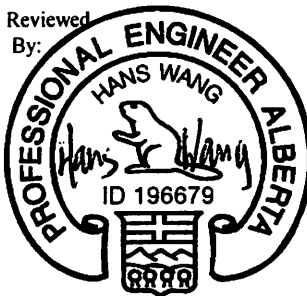
OWNER: **Bry-tan Trucking**

Rees NDT Inspection Services 2008 Ltd. performed a VISUAL AND NON-DESTRUCTIVE TESTING inspection on the above mentioned BLOCK ASSEMBLY. All observations have been recorded and are disclosed in the complete documentation for Rees NDT Work Order #60398. The scope of this certificate is limited to the inspection of the item's structural condition at the time of inspection and does not imply a review of the equipment's design or its associated capacity rating. The capacity noted above reflects the original equipment manufacturer's maximum capacity rating and may be reduced by operating conditions, regulatory requirements and the use of auxiliary equipment that has a lower capacity rating.

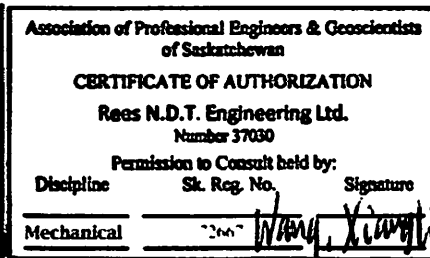
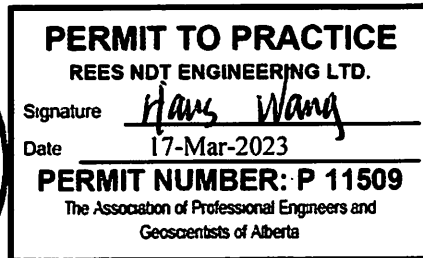
The undersigned Engineer reviewed all the inspection reports and has issued this certificate after all required repairs (if any) were completed. In the undersigned Engineer's opinion, the BLOCK ASSEMBLY may be returned to service and is safe to use within the original manufacturer's specifications. The equipment owner is obliged to supply the OEM's operating instructions with the equipment and maintain the OEM's identification and capacity markings. If OEM information cannot be obtained, certified replacements must be obtained from a Professional Engineer.

This certification covers the above mentioned unit for a period of 5 YEARS from the date of inspection, or until the unit is damaged by handling, transportation or operation.

Reviewed By:



17-Mar-2023



17-Mar-2023



Inspected By: G. Coers CGSB #6415 (MPI II) SNT #002 (MPI III LPI II UT II)

Non-destructive Testing · Wall Thickness Testing · Hardness Testing · Crane & Picker Certification · Drilling Rig Certification



## ENGINEERING CERTIFICATION

Manitex Truck Mount Crane  
Model 4596T, S/N 186379, Unit 28  
**Bry-Tan Trucking Ltd.**  
Our File: E45873



Date of Inspection: June 15, 2018

Structural inspections were performed on the above-described equipment. The following components were inspected, repaired where required, and found suitable for service:

1. Front Outriggers (2x)
2. Rear Stabilizers (2x)
3. Main Frame
4. Ring Gear (visual)
5. Turret
6. Winch Attachments
7. Boom Butt Section
8. Boom Inner-Mid Section
9. Boom Outer-Mid Section
10. Boom Tip Section

Note: The ten-year disassembled boom inspection was performed in accordance with CSA Z150-98.

KOVA ENGINEERING LTD.  
the Crane Certification Bureau™



Brock Evanishen, P. Eng.  
BE

<b>PERMIT TO PRACTICE</b> <b>KOVA ENGINEERING LTD.</b>
Signature <i>B. Evanishen</i>
Date <u>2018-06-25</u>
<b>PERMIT NUMBER: P 5138</b>
The Association of Professional Engineers, Geologists and Geophysicists of Alberta



Gordon Kovacik, P. Eng.  
GK:cm

Association of Professional Engineers & Geoscientists of Saskatchewan		
CERTIFICATE OF AUTHORIZATION KOVA ENGINEERING LTD. Number C1441		
Permission to Consult held by:		
Discipline	Sk. Reg. No.	Signature
Materials /	7798	<i>GK</i>
Cranes		



June 25, 2018

Wajax Equipment  
17604 - 105th Avenue  
Edmonton, AB T5S 1G4

Attn: Mr. Darrell Rolheiser

RE: 10-Year Inspection of a Manitex Truck Mount Crane  
Model 4596T, S/N 186379, Unit 28  
Owner: Bry-Tan Trucking Ltd.  
Date of Inspection: June 15, 2018  
Purchase Order: PD1970, Work Order #: W92245  
Our File: E45873

---

Visual examinations and magnetic particle inspections were performed on the above-described equipment. The boom sections were disassembled for inspection in compliance with CSA Z150.98, section 4.3.2.2 (d) regarding the inspection of all telescopic boom sections while fully disassembled at 10 year intervals. The specific items examined and our inspection findings were as follows:

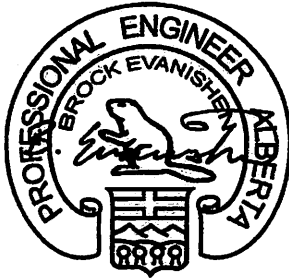
1. Front Outriggers (2x) - three cracks noted on box frame corners (two on passenger side, one on driver side).
2. Rear Stabilizers (2x) - no defects noted.
3. Main Frame - no defects noted.
4. Ring Gear (visual) - no defects noted.
5. Turret - no defects noted.
6. Winch Attachments - no defects noted.
7. Boom Butt Section - bent/torn collar noted, camber: 1/8", sweep: 0, twist: 0.
8. Boom Inner-Mid Section - no defects noted, camber: 1/16", sweep: 0, twist: 0.
9. Boom Outer-Mid Section - no defects noted, camber: 1/16", sweep: 0, twist: 0.
10. Boom Tip Section - no defects noted, camber: 1/8", sweep: 0, twist: 0.

Repairs were performed by Wajax personnel. The bent/torn collar plate was removed by grinding, replaced with CSA G40.21,100 QT material of equivalent dimensions, rewelded using E8018-C3 electrodes and ground smooth to match the original parent material. The damaged brackets were rewelded using the same electrode. The cracks on the outrigger box frames were removed by grinding and rewelded using E7018-1 electrodes. Re-inspection following completion of repairs revealed satisfactory workmanship with no further defects noted.

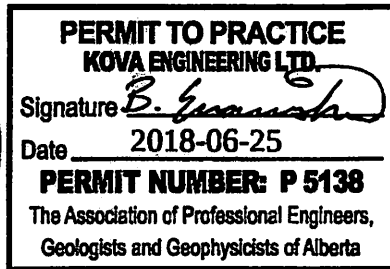
Kova recommends replacing the retract cables with new prior to continued service.

Based on our examination findings, the inspected equipment is recommended for service, following completion of our recommendations herein.

Yours very truly,  
KOVA ENGINEERING LTD.  
the Crane Certification Bureau™



Brock Evanishen, P. Eng.  
BE



Gordon Kovacik, P. Eng.  
GK:cm

