

V107: Crawler Crane Report

Information	
	JAK250404-1-105036
	VIE-107 Lifting Equipment Inspection
	Friday, April 4th 2025, 2:22 PM (MDT -06:00)
Client Information	
Client Name	= TNT Crane & Rigging
Location	= Lethbridge AB
Inspection Date	 April 4, 2025
Expiry Date	 April 4, 2026
VIE Client Job Number	= TCR-04
Report Number	= JAK250404-1-105036
Ticket Number	# 30193
Previous VIE Reference Number (if applicable)	# 104012
Client WO	= No Response
Client PO	= CWP 32183
Equipment Information	
Equipment Owner	= TNT Crane & Rigging
Manufacturer	= Terex
Model Number	= HC 110
Serial Number	= TRXHC110A0KFM0362
Unit Number	= 110-19
Year of Manufacture	= 2014
Rated Capacity	= 110 Ton
Metered Hours	= 5991.4 hrs



Inspection Criteria

Standard Reference (Latest Edition): CSA Z150 - Safety Code on Mobile Cranes

Additional Safety Code or Standard Applied: (if required)

- ASME B30.10 - Hooks, CSA Z150 - Safety Code on Mobile Cranes

Inspection Method and Procedure Applied

- VIE-VT-001 Rev. 5 - Visual Inspection, VIE-MT-001 Rev. 9 T#2 - Magnetic Particle - Dry

Provincial Certificates Required

- Alberta, British Columbia, Saskatchewan

Inspection Notes

Crawler Crane come in many different configurations - As such, not all items below will apply to every crane. Expand the sections that apply to the configuration of the crane or parts being inspected.

Tracks

NA Track 1

NA Track 2

NA Other

Frog Legs

NA Frog Leg 1

NA Frog Leg 2

NA Other

Car Body

NA Car Body Frame and Undercarriage

NA Track Lug 1

NA Track Lug 2

NA Track Lug 3

NA Track Lug 4

NA Rotational Gear

Hydraulic leaks noted
Recommend mechanical service

NA Rotational Gear Bolts

NA Other

Super Structure

NA Super Structure

NA Superstructure Bolts

NA Main Boom Connection Pin (King Pin)

NA Other

Gantry or SA Frame

NA Gantry

NA Other

Winch

NA Winch 1

NA Winch 2

NA Other

Counter Weight Trays

Counter Weights

Visual inspection of all weight lugs for damage

NA Counter Weights



NA Other

Back Mast (Derrick)

NA Back Mast Butt

NA Back Mast Mid- Sections

NA Back Mast Tip

NA Other

Main Boom

NA Main Boom Butt

 SN 1186726 V6



✓ ✕ NA Main Boom Mid-Sections

☰ Intermediate section
SN 713519 235C



*Possible indication noted here likely due to profile of the weld/lap
Welder used gentle filing to remove and reinspection was performed*



*Reinspection result: confirmed to be a false indication and not a rejectable indication.
Client is repainting.*

✓ ✕ NA Main Boom Tip

☰ SN 1189344



✓ ✕ NA Other

☰ Damage noted on sheave guards, doesn't seem to impede function and seems like a non structural issue



*Bent damaged guard
for Sheaves*

Luffer Boom

Jib

Load Blocks

Load Type (Block or Ball)

☰ Block



NA Make

☰ McKissick

NA Model

☰ 75 Ton
ID plate damaged recommend replacement



Serial Number

01045679

Working Load Limit

75 T

Sheave(s) (If equipped)

4

Hook

Safety latch(s)

Throat Opening (inches)

No Response

Other

Load Blocks

Load Type (Block or Ball)

= Ball



Make

Terex

Model

☰ 12.5 T



NA Serial Number

☰ 17268412

NA Working Load Limit

☰ 12.5T

NA Sheave(s) (If equipped)

NA Hook

NA Safety latch(s)

Throat Opening (inches) # No Response

NA Other

Misc Parts

NA Pendant Lines

NA Other

☰ Boom section inspected in Redcliff.



Boom section overall



Interior view



Data tag for boom section (SN 713519 1354)

General

Free of unauthorized modifications or additions

Paint and overall appearance

Other

Repairs (If Applicable)

Repairs Completed (if applicable)

Essential Photos

When applicable, include pictures of the overall unit, data plate and hour meter.

Photos



Inspection Results

When applicable, include picture of Inspection Sticker

Results

 Safe For Continued Use

 Crane inspected as assembled and performed on clean accessible structural welding.
Note: some areas inaccessible

Inspector Details

Technician(s)



Anthony Tarnowski, Jordan Kallen

Assistant(s)



Melvin Mendoza

Original

Jordan Kallen, *NDE Technician*

 April 4th 2025, 2:22 PM (MDT -06:00)



Melvin Mendoza, *NDE Technician*

 April 4th 2025, 2:22 PM (MDT -06:00)



Revised on April 8th 2025, 5:08 PM (MDT -06:00)

Current View

Anthony Tarnowski, *NDE Technician*

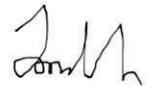
 April 8th 2025, 5:08 PM (MDT -06:00)

 50.0788494, -110.7593984



Jonah Oh, *EIT*

 April 9th 2025, 9:02 AM (MDT -06:00)





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CERTIFICATE

TNT CRANE & RIGGING

VISION INTEGRITY ENGINEERING LTD. CERTIFIES THAT THE CRITICAL STRUCTURAL ELEMENTS OF THE EQUIPMENT, DESCRIBED BELOW, WAS INSPECTED AND SAFE FOR CONTINUED USE. IN ACCORDANCE WITH CSA Z150-20 SECTION 5.3.2.2 WHICH STATES THE REQUIREMENT OF AN ANNUAL INSPECTION, COMPLETE STRUCTURAL INSPECTION IF DAMAGED OR DISASSEMBLED, COMPLETE STRUCTURAL INSPECTION OF TELESCOPIC BOOM AT THE INTERVAL SPECIFIED BY THE MANUFACTURER.

DO NOT EXCEED RATED CAPACITY

EQUIPMENT MUST BE MAINTAINED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. CERTIFICATION IS NOT TRANSFERABLE TO NEW OWNER.

ANY REPAIRS OR MODIFICATIONS WITHOUT APPROVAL OF THE SIGNATORY WILL RENDER THIS CERTIFICATE VOID.

SERIAL NUMBER: TRXHC110AOKFM0362 **MANUFACTURER:** TEREX

MODEL NUMBER: HC 110 **METERED HOURS (MH):** 5991.4 HRS

UNIT NUMBER: 110-19 **NEXT INSPECTION MH:** N/A

CODE INSPECTED TO: CSA Z150 - SAFETY CODE ON MOBILE CRANES

INSPECTOR: ANTHONY TARNOWSKI, JORDAN KALLEN
INSPECTION REPORT: JAK250404-1-105036, confirmed

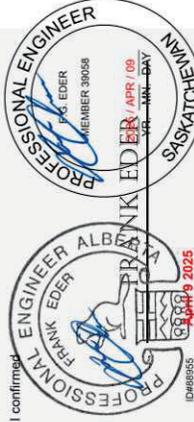


ISSUE DATE: APRIL 4, 2025

ENGINEER:

EXPIRE DATE: APRIL 4, 2026

APEGA/APEGS/EGBC: 88955/0658/03386



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