

## FORMAL STRUCTURAL REPORT

**Mega Cranes**6330 148 Street  
Surrey, BC V3S 3C4

Attention: Ms. Dana Hawley

Owner: Mega Cranes

**Structural Inspection of a  
GROVE Truck Mount Crane**

MODEL: MS-300B, SERIAL: 71763, UNIT: 4015

LOCATION: Mega Cranes Yard

DATE OF INSPECTION: June 6, 2024

OUR FILE: V84855

Visual examinations and magnetic particle inspections were performed on the above-described equipment in accordance with Kova Engineering Inspection Plan (KSIP3-V84855). The specific items examined and our inspection findings were as follows:

1. Front Stabilizer - no defects noted.
2. Outrigger & Box Frames (4x) - one crack.
3. Undercarriage - no defects noted.
4. Ring Gear (Visual) - no defects noted.
5. Rotating Frame - no defects noted.
6. Counterweights - no defects noted.
7. Winch Mount Main - no defects noted.
8. Winch Mount Auxiliary - no defects noted.
9. Boom Butt Section - no defects noted.
10. First Intermediate Boom Extension - no defects noted.
11. Second Intermediate Boom Extension - one crack.
12. Boom Tip Extension - no defects noted.
13. Rooster Sheave Assembly - no defects noted.
14. Sheaves (Visual) - no defects noted.
15. Swing Away Jib Butt Section - no defects noted.
16. Swing Away Jib Tip Section - no defects noted.
17. Load Line Main (Spooled) (Visual) - no defects noted.
18. Load Line Auxiliary (Spooled) (Visual) - no defects noted.
19. 3/4" Wedge Socket Main - no defects noted.
20. 15 Ton W.L.L. Crosby Hook & Overhaul Ball - no defects noted.
21. 40 Ton W.L.L. Crosby Load Block & Hook (Serial: 5519-96) - no defects noted.

Repairs were performed by Mega Cranes personnel. The cracks were removed by grinding and rewelded using E7018-1 electrodes. Re-inspection following completion of repairs revealed satisfactory workmanship with no further defects noted.

THE EQUIPMENT IS JUDGED STRUCTURALLY SUITABLE FOR ITS INTENDED SERVICE.

Yours very truly,

KOVA ENGINEERING LTD.

the Crane Certification Bureau™



PN: 1001263

Barry Devlin, P. Eng.

BD:tc

## CERTIFICATION

### GROVE Truck Mount Crane

MODEL: MS-300B, SERIAL: 71763, UNIT: 4015

OWNER: Mega Cranes

OUR FILE: V84855

CERTIFICATION DATE: May 15, 2024

The structural, mechanical and controls inspections were performed on the above-described equipment in reference to Kova Engineering Inspection Plans KMIP3-V84855 and KSIP3-V84855. The items as outlined in the reports were inspected and repaired where required.

Front Stabilizer

Outrigger & Box Frames (4x)

Undercarriage

Ring Gear (Visual)

Rotating Frame

Counterweights

Winch Mount Main

Winch Mount Auxiliary

Boom Butt Section

First Intermediate Boom Extension

Second Intermediate Boom Extension

Boom Tip Extension

Rooster Sheave Assembly

Sheaves (Visual)

Swing Away Jib Butt Section

Swing Away Jib Tip Section

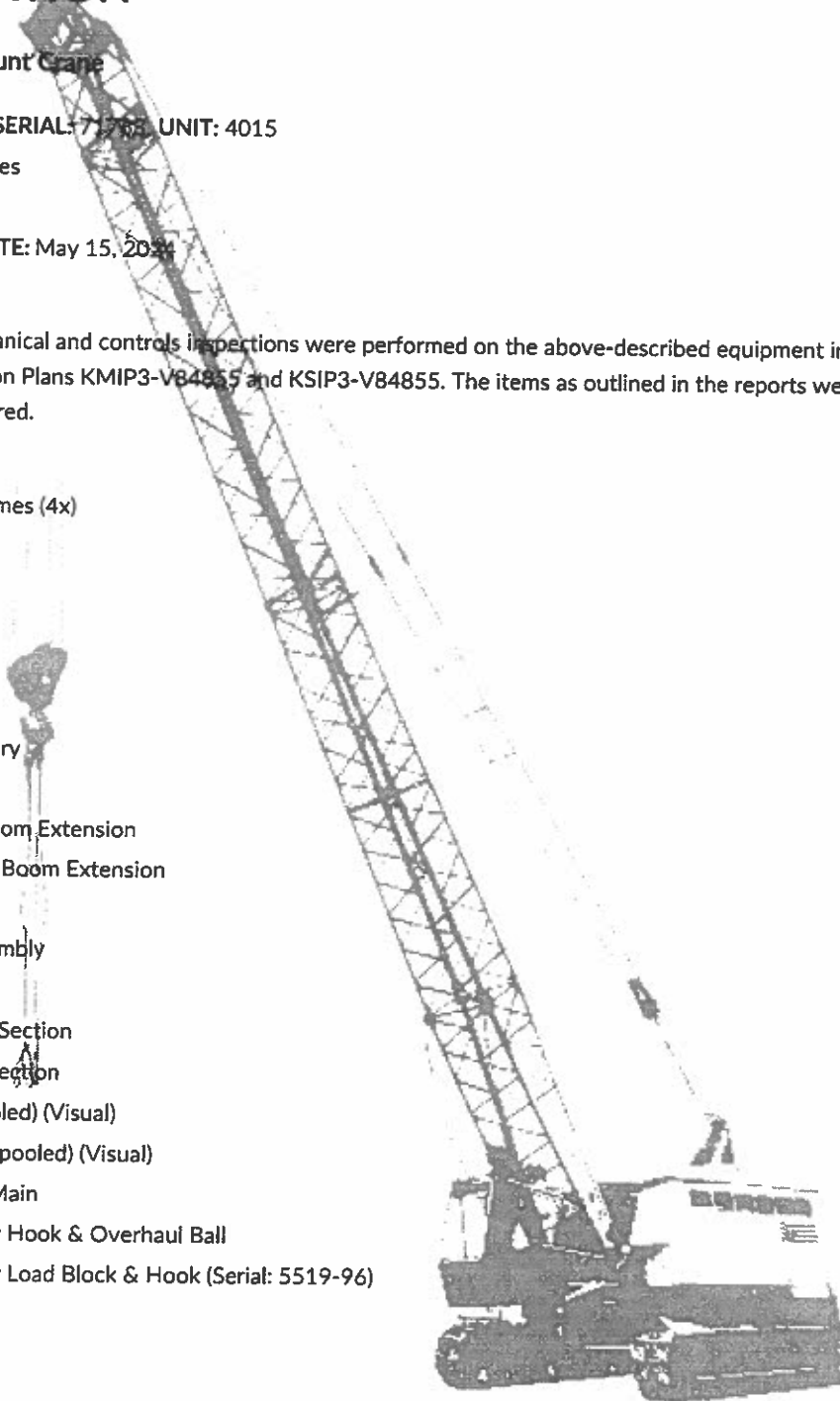
Load Line Main (Spooled) (Visual)

Load Line Auxiliary (Spooled) (Visual)

3/4" Wedge Socket Main

15 Ton W.L.L. Crosby Hook & Overhaul Ball

40 Ton W.L.L. Crosby Load Block & Hook (Serial: 5519-96)



This certification is based on the details as set out in the assembled inspection reports and on reasonable assumptions and assessments. The equipment is judged safe for its intended use.

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the Crane Certification Bureau™



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BD:tc