

## 10 YEAR NDT INSPECTION REPORT

**Date of Inspection:** 6.6.2025

**Client:** Ziggy's Cranes

**Correlation Number:** A404

**Plate Number:** 918

**Certificate Reference:** 67080

**Inspector:** Levi Morandin

**Location:** Inspection Yard

**Telephone Number:** 0405 063 026

**Test Specification:** AS2550, AS1418.1

**Acceptance Spec:** Report on condition of machine

**Nature of Test:** Perform 10yr NDT Inspection.

**Job Identification:** Liebherr LTC 1045-3.1 Serial: 056538 Built:2015



The following Crane underwent a thorough NDT inspection in accordance with the following relevant Australian Standards AS2550, AS1418 and as per manufactures guidelines.

All items were inspected or repaired in accordance with the above-mentioned Australian Standards or Codes.

**Hydraulic System**

The hydraulic system was in good working order with no apparent leaks or evidence of wear, the pump operated to within manufactures specifications. All holding valves and locking valves are in good order, with no load applied there was no excessive seepage am rear of lift cylinder holding valve at time of test.

**Hydraulic Cylinders**

Main Lift Cylinder and outrigger cylinders underwent a thorough NDT inspection as per Australian Standards. There was no evidence of stress fractures or cracking at time of test. All cylinders are in good working order with no apparent leaks, seepage or wear.

**Hydraulic Hoses**

All hoses are in good order with no apparent leaks or stretching, there was no apparent evidence of fatigue or abnormal wear.

**Hydraulic Swivel / Slew Ring**

Slew ring was inspected and found to be in good order, there was no excessive wear in any of the components and no evidence of any leaking or weeping seals.

**Boom Sections:**

- Main Boom
- Secondary Boom
- Tip of boom
- Knuckle

There was no excessive wear in any of the boom sections at the time of test.

**Turret / Revolving Frame/Centre Pins**

Turret underwent full NDT as per Australian Standards. There was zero other evidence of cracking at the time of test, all pins and Bushes are within manufactures tolerances.

**Chassis**

All chassis components are in good order and there was no excessive wear evident, the chassis revealed no evidence of cracking during NDT examination, areas were tested as per manufactures guidelines.

**Load Charts and Warning Systems**

All load charts are clearly visible and warning systems are in good working order at the time of testing.

Major Inspection	OK	N/A	FAIL
Chassis including outriggers and boxes	✓		
Drive train and suspension components	✓		
Slew ring	✓		
Slew ring bolts	✓		
Hook rollers	✓		
Drive systems including winches, hydraulic motors, gearbox, and drive shaft	✓		
Control systems	✓		
Braking systems	✓		
Electrical systems	✓		
Hydraulic systems—cylinders including outrigger cylinders	✓		
Booms	✓		
Safety devices including rated capacity limiters and load indicators	✓		
Outriggers	✓		
Steel wire ropes	✓		
Rope sheaves	✓		
Electrical systems - hazardous voltage	✓		
Control systems - non-hazardous voltage	✓		
Electric motors	✓		
Hook assembly	✓		

### Identification Plates



### Outriggers



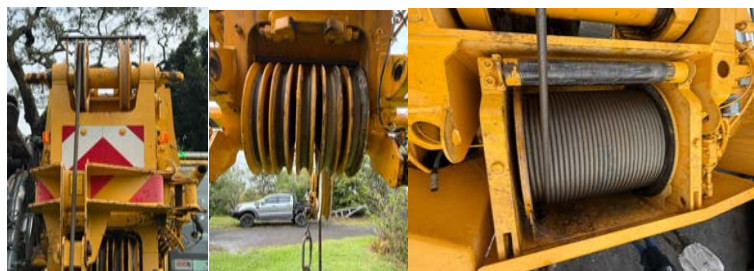
### Slew ring



### Boom and Rams



### Winch and Rope Sheaves



## Hook Block



## Weight Test



## Major Inspection Report

The following machine and its components have been fully inspected as per the manufacture's recommendations and in accordance with the relevant Australian Standards AS2550 and AS1418.1

### **Results of Inspection**

Items inspected are as per the Manufactures guide to Major Inspections and Australian Standards AS2550, AS 1418.1 the areas examined are as outlined in the following sections

This document is to certify that the crane manufactured by Liebherr LTC 1045-3.1 Serial: 056538 has undergone full load, stability, and structural testing as per AS2550, AS1418.1 and as per the manufacturer's recommendations.

We hereby certify that the abovementioned crane is in a safe and structurally sound condition at time of inspection and is ready to be put back into full service as of the 6<sup>th</sup> June 2025 Next due June 2030

A handwritten signature in black ink, appearing to read 'Levi Morandin', is written over a horizontal dashed line.

Levi Morandin NSW1025

### ***Disclaimer:***

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## INSPECTION REPORT

**Correlation No:** W923

**Report No:** W923/919

**Client:** Ziggys Cranes

**Address:** 95 Asquith St Silverwater

**SUBJECT:** Liebherr LTC 1045-3.1 Serial: 056538

**Material:** Carbon Steel

**Surface Condition:** As rolled/welded/painted

**Nature of Test:** Eddy current, Magnetic Particle and Visual Crack Detection

**Test Spec:** AS 1171-1998 & LTM-20-04

**Acceptance Spec:** Record any surface cracking

**Date of Examination:** 6.6.2025

**Inspectors:** LR Morandin

**Equipment: ET:** Hocking Eddy Current Serial no: 61546-18 and

**Weld Scan Probe Serial No:** 379-004-570

**Inspection Technique: ET:** As per procedure LTM-20-04.

**Calibration for Sensitivity:** Burmah Castrol flux indicator type II as per AS 1171-1998 ET:  
As per procedure LTM-20-04.

### EXAMINED:

Eddy current examination on the following accessible areas 1<sup>st</sup> extension welds on boom, 2<sup>nd</sup> extension welds on boom, Manual extension welds, fall block

### RESULTS:

At the completion of testing the above-mentioned items did not reveal the presence of any surface crack like indications



Levi Morandin  
S&M Inspections

Date of Issue: 6.6.2025

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