

Mobile Crane Inspection Report



Job & Report Number:	J16957-SI01	Inspection Date:	8/11/2024
Client / Equipment Holder:	Agtrans Ltd.	Contact Person:	Phill / CJ
Address:	24 Fitzgerald Lane, Hawera	Contact Number:	0800 AGTRANS / 027 278 6770
Type:	Mobile Crane	Boom Configuration:	Hydraulic - Teleboom
Official Number:	68654	Rating Sheet:	Stored in cab
Client ID:	LTM 1160-5.2	Capacity:	180T
Manufacturer:	Liebherr	Hoist Rope Diameter:	21.0mmØ
SWL Indicator Type:	Liebherr Liccon	Hooks SWL:	30.0T
Vehicle Type:	2016 Liebherr LTM 1160-5.2	Registration:	NEN 953

GENERAL

Number	Check	Assessment	Comments
1	SWL & ID Clearly Visible	✓	Marked clearly on side of vehicle. Satisfactory.
2	Maintenance Records	✓	Agtrans own maintenance team. Satisfactory condition.
3	Rating Sheet (English, with Crane Number)	✓	Hard copy in cab and Liccon computer. Satisfactory.

OPERATIONAL

4	SLI Alarms (Visual, Audible, Cut-out)	✓	Audible alarms and cut-outs tested. Satisfactory.
5	Anti – Two Block, Main & Fly Jib	✓	Main rigged only – Alarm and cut out operating. Satisfactory.
6	Radius Indicator	✓	Reading 17.1m at load testing, good accuracy. Satisfactory.
7	Boom Angle Indicator	✓	Reading 55.1° at load testing. Overluffing alarm and cutout 82.7°
8	Load test (Load, Boom Length, Radius)	✓	Using 10t at 31.1m boom length Warning at 16.8m and cut-out at 17.2m. As per tape and computer.
9	Brake Test	✓	During load testing no creep noted. Satisfactory.

CONDITION

10	Cab (Controls, emergency Stop, Horn)	✓	Horn, E-stop and all controls tested. Good working order.
11	Outriggers	C	Minor wildlife nesting inside beams. Satisfactory condition.
12	Front Stabiliser Leg	N/A	
13	Wheels / Tyres / Tracks	✓	10 x Tyres. Satisfactory condition.
14	Chassis & Super Structure	✓	Tidy rust free condition. Satisfactory.
15	Hydraulic Rams & Hoses	✓	Satisfactory condition.
16	Slew Ring bearing & Bolts	✓	Secure with no concerns noted. Satisfactory.
17	Counterweight & Signage	✓	Management system and signage. Satisfactory condition.
18	Brakes & Clutches (Wear Indicators)	✓	Satisfactory.
19	Pawl Brake	✓	Tested and operating well. Satisfactory.
20	Ropes (Terminations, Length)	✓	21mm Ø. Main rope only rigged, and in good condition.
21	Sheaves	C	Minor wear noted. Serviceable condition.
22	King Post & Luffing Gear	✓	Good condition and tidy with no concerns noted. Satisfactory.
23	Boom / Jib (Wear Pads & Extension Ropes)	✓	5 x Ext. No concerns noted, visually in satisfactory condition.
24	Fly Jib & Attachments	✓	Attached to boom in good condition and secured. Satisfactory.
25	Hooks & Blocks	✓	30T Hook, clasp. Satisfactory condition.
26	Other	C	Rust noted on Main boom to ram reinforcement plates.

LEGEND

✓	Acceptable	C	Comment
✗	Not Acceptable	NA	Not Applicable

Additional Comments / Photos:



This item has been inspected in accordance with the relevant codes & standards and is being recommended for certification.

Expiry Date: 30/11/2025

Equipment Inspector: Alan Winch	Reviewed By: Craig Darling
Alan Winch – Authorised Signatory	

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Actions				
Action				Priority
Item 11: Wildlife nesting inside beams – Recommend cleaning and fitting adhesive cover to stop this from happening				R
Item 21: Minor wear in sheaves notes – Monitor for further wear and maintain where practical				R
Item 26: Main ram connection to boom, some rusty area's – Recommend maintenance to alleviate costs of fixing later				R
Priority:	M	Mandatory by certificate expiry	R	Recommendation

Crane Certificate of Inspection			
Client:	Agtrans Ltd.	Job Number:	J16957-SI01
Controller:	Phill/CJ	Date of Inspection:	8/11/2024
Controller's Address:	24 Fitzgerald Lane, Hawera Taranaki	Official Number:	68654
Equipment ID:	LTM 1160-5.2	Safe Working Load:	180.0 Ton (Max)
Equipment Desc:	Mobile Crane – Reg: NEN 953	Manufacturer:	Liebherr - 2016
Purpose:	Customer lifting requirements	Crane Type:	Mobile
Location:	New Zealand Wide	Date of Expiry:	30/11/2025
<i>This equipment was found to be in a satisfactory and safe condition at the time of inspection and will remain safe for the period of the certificate if operated and maintained properly.</i>			
Equipment Inspector:	A.Winch	Authorised Signatory:	A.Winch
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