

LIEBHERR

Mobile crane with telescopic boom

LTM 1400-7.1

LTM 1400-7-1-006

Operating instructions

BAL-No.: 14622-02-02

Pages: 1199

Werk-Number	
Date	

The operating manual is part of the crane!

It must always be available within reach!

**The traffic regulations and those for crane operation
must be observed!**

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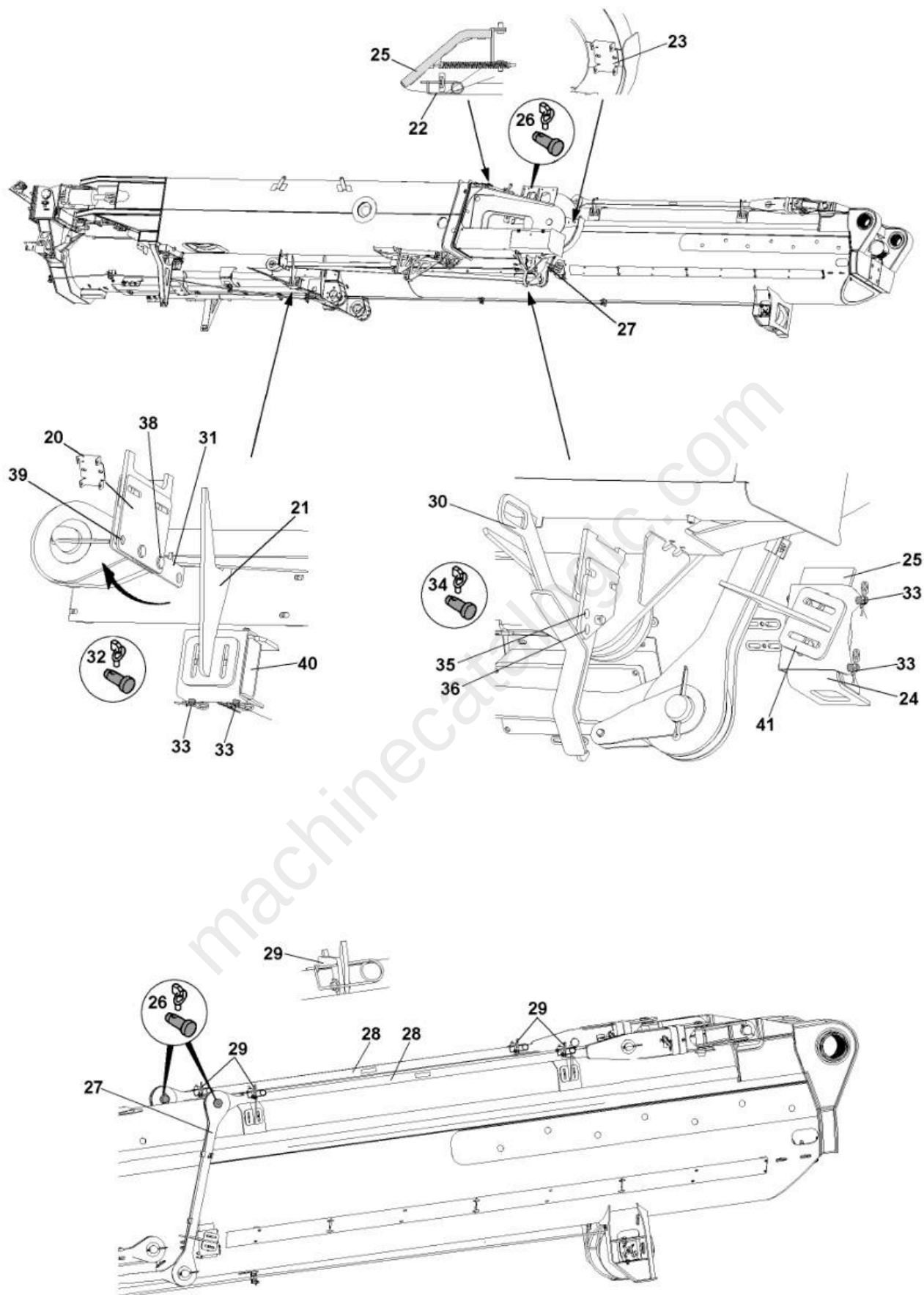
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F7 Function key

- Taring
- When the function key **F7** is pressed, the actual load display is set to “zero”. At the same time, the word “net” appears in the icon of the actual load display. This function, for example, makes it possible to eliminate the weights from the hoist cable, load carriers, lifting equipment and tackle and only display the weight of the load that must be lifted (net load).
If the taring is cancelled, the word “net” disappears from the icon “Actual load display” and the gross load value is displayed.
- Taring is cancelled by one of the following three actions:
 - pressing the function key **F7** again
 - telescoping the boom by more than 3 length units (dm or 1/10 ft.)
 - luffing by more than $\pm 4^\circ$

F8 Function key

- Turn off horn / error diagnostics
- Turning the acoustical warning off
The “Horn” and “Short horn” acoustical warnings can be turned off by pressing the function key **F8**.
A new error turns the acoustical warning on again.
- Error message in “Horn” icon
If a system, application or operating error occurs, an error message appears in the “horn” icon (see Fig. 1).
Example: E:0EAM1
By pressing the function key **F8** twice, the acoustical warning is turned off and the “Test system” program changes to the error determination screen where the error is documented. (**see Diagnostics**)
- Special function icon “horn”
A special program is available for crane acceptance in the LICCON computer system. This program is blocked after completion of crane acceptance. If an additional marking is displayed in the “Horn” icon (talons along the upper margin, see Fig. 2), this means that the acceptance program is not yet blocked. Contact LIEBHERR Service immediately.
In order to prevent error functions, access to the special program is only permitted for trained LIEBHERR personnel.



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2 Superstructure

Lubrication chart legend:

- 1 Engine oil
- 2 Lubricating grease
- 3 Gear oil
- 4 ATF
- 5 Synthetic gear oil
- 6 Diesel fuel

Fill chart

The specified filling quantities are orientation values. The markings on the measuring sticks, inspection holes and inspection glasses are decisive for filling.



CAUTION

Danger of damage!

- Do not mix synthetic oils with mineral oils.

Assembly	Medium	Dosage
Crane engine	Engine oil	40.0 l
Crane engine	Coolant	53.0 l
Fuel tank	Diesel fuel	275.0 l
Winch 1 (oil change volume)	Synthetic gear oil	7.5 l
Winch brake	ATF	0.8 l
Slewing gear	Synthetic gear oil	5.7 l
Pump distributor gear	Gear oil	3.9 l
Hydraulic fluid reservoir of the crane hydraulic system ¹	ATF	1570.0 l
Central lubrication system	Special grease	2.5 kg
Friction bearing of boom	Special oil spray	3.0 kg

¹ Before checking the level of the hydraulic fluid: retract all hydraulic cylinders and lower the crane carrier by retracting the suspension cylinders. The oil level must be in the middle of the inspection glass.

Full Version Available

Liebherr LTM 1400-7.1 All Terrain Crane Operator Manual

Liebherr LTM 1400-7.1 all terrain crane operator manual covering controls, safe operation, setup, daily checks and care. 3 PDF files. Instant PDF download.

VIEW THE FULL MANUAL

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Book No: 14622-02-02 · File Pages: 2,666 · File Count: 3 · File Language: English