WACKER NEUSON

Operator's Manual

Telehandler

TH955



Machine model	416-16
From serial no.	416 16 0001
Version	2.0
Doc. Number	1000361101
Language	[en]

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EC Declaration of Conformity

Manufacturer

Kramer-Werke GmbH, Wacker-Neuson-Str. 1, D-88630 Pfullendorf

Product

Machine designation	Telehandler 416
Model/version	416-16
Trade name	TH955
Serial number	416 16 _ _ _ _
Output in kW	115
Measured sound power level dB (A)	105
Guaranteed sound power level dB (A)	106

Conformity assessment procedure

According to 2000/14/EC appendix VIII

Notified body involved in procedure

DGUV Test Prüf- und Zertifizierungsstelle (EU identification number: 0515)
Fachbereich Bauwesen
Landsberger Str. 309
D-80687 Munich

Applied directives and standards

We hereby declare that this product corresponds to the relevant regulations and requirements of the following EC Directives and standards:
2006/42/EC, 2000/14/EC, 2002/44/EC, EN 13309
DIN EN 1459, DIN EN ISO 12100: 2010, DIN EN 15000

Authorized representative for the compilation of technical documentation

Kramer-Werke GmbH
Product Development
Wacker-Neuson-Str. 1
D-88630 Pfullendorf

Pfullendorf, (date) _ _ . _ _ _ _



M. Arndt
Head of product development
Kramer-Werke GmbH

Original declaration of conformity

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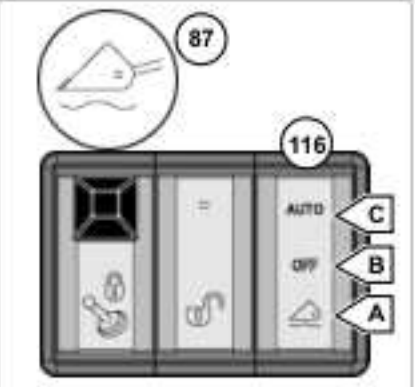


Fig. 228

Operating the load stabilizer (option)

The operation of the load stabiliser (toggle switch **116**) is located on the switch console on the left in the dashboard.

Load stabilizer operation		Function
	Press switch **116** to position **A**	➥ Continuous operation ➥ Indicator light **87** illuminates
OFF	Bring the toggle switch **116** to the centre position **B**	➥ The load stabilizer is switched **OFF** ➥ Indicator light **87** goes out. For heavy-duty work, picking up excavated material, for example.
AUTO	Press switch **116** to position **C**	➥ Automatic operation (travel speed control) ➥ over 7 km/h (4.3 mph) and the control lamp **87** lights up. ➥ below 6 km/h (3.7 mph) and the control lamp **87** goes out. For machine travel on public roads, for lighter work with the telescopic boom and for light off-road transport.

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7.3 Fluids and lubricants

Overview of lubricants

Component/application	Capacities [1]	Fluid/lubricant	SAE grade/specification	Tempera-ture
Diesel engine	10.5 l	Engine oil[2] with filter	EUROLUB Supermax – SAE 10W-40	Year-round
Engine cooling[3, 4, 5]	Total about 23 l (6.0 gal)	Antifreeze[6]	12 l (55%) water 11 ltr. (45%) antifreeze	Year-round -35 °C (-31°F)
Gearbox 20/30/ 40 km/h (optional)	About 3,5 l (0.3 gal)	Gearbox oil	SAE 85 W 90 (API GL4 MIL L-2105) (API GL5 MIL 2105-B)	Year-round
Four-wheel cutoff (option)	4.2 l. (1.1 gal)			
Planetary drives left/right, front/rear axle	4x 0.75 l. (4x 0.2 gal)			
Differential Front/rear axle	2 x 7.1 l (2x1.8 gal)		SAE 90 LS (hypoid gear oil)	
Fuel system, fuel tank[7]	About 180 l (47.5 gal)	Diesel fuel	DIN 51628/ DIN EN 590 (EU) ASTM D975-94 (USA)[8]	Year-round -40°C (-40°F)
Urea tank[7, 9, 10]	approx. 12 ltr. (3.1 gal)	Urea solution (SCR reduction agent)	DIN 70070 (DEU) ISO 22241-1 ASTM D7821 (USA)	Year-round -11 °C (12°F)

1. The capacities indicated are approximate values; the oil level check alone is relevant for the correct oil level
2. Specification Deutz DQC III/V LA
3. In order to avoid engine damage and possible loss of warranty, use only the coolant "DEUTZ cooling system protective agent" or as an alternative, an antifreeze released in compliance with DEUTZ DQC CA-14, CB-14, CC-14.
4. Compound table – *see chapter 9 "9.10 Coolant" on page 9-19* or the manufacturer's indications on the packaging
5. For other released antifreeze products, see: *www.deutz.de/service/betriebsstoffe_br_und_additive/kueh/systemschutz.de.html*
6. The antifreeze must be replaced every 2 years by an authorized service centre
7. Volume deviations may occur due to production tolerances.
8. If fuels that do not comply with DIN EN or ASTM (USA) are used, warranty rights shall not apply in case of diesel engine damage
9. Refill approx. 14 litres (3.6 gal.). Emptying or cleaning the urea filter may only be carried out by an authorised service centre.
10. In order to avoid potential damage to the exhaust gas after-treatment system and loss of warranty rights, only urea solutions may be used that have been released according to ISO 22241-1 (DIN 70070).

Continued on next page!

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Central lubrication system (option)

Functional description of the central lubrication system

The central lubrication system allows you to lubricate all lubrication points of the telescopic loader in one single step.

Information

Maintenance intervals – *see "Maintenance plan" on page 7-4.*
Specifications and fill quantities – *see chapter 7 "7.3 Fluids and lubricants" on page 7-14.*

- The yellow LED **B** illuminates for 1.5 seconds upon starting the diesel engine to indicate the functional readiness of the controls (switch-on check). It stays lit during the entire lubrication procedure.
- The integrated electronic control unit has a data memory for saving the times that have been set or that have elapsed. The time of the lubrication process is stopped and saved if the engine is switched off during lubrication or during a break. The remaining lubrication time is read from the memory upon taking into service again and lubrication is resumed where it was interrupted.

Time control

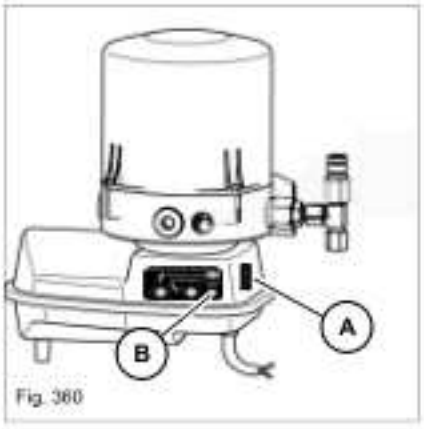


Fig. 360

- Break and lubrication times can be set with the time-dependent control of the central lubrication system. Break times are the periods between two lubrication times.

Information

Pressing the touch button **A** on the side of the pump starts intermediate lubrication at any time if the engine is switched on. This also serves as a functional check.
The pump then immediately starts with a lubrication cycle. The lubrication or break time that has elapsed so far or that has been saved is reset and starts over again.
A lubrication system malfunction can also be reset by pressing the intermediate lubrication switch, and the pump restarts lubrication.

Repair work

Have all repair work on the central lubrication system only carried out by an authorised service centre!

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Mirror adjustment

Adjusting the mirror on the left



Fig. 59

1. Turn the mirror on the **left** upward with the long side.
   When making preliminary adjustments, ensure that the mirror bracket is turned far enough to the front (about 90°) to avoid touching the door window.

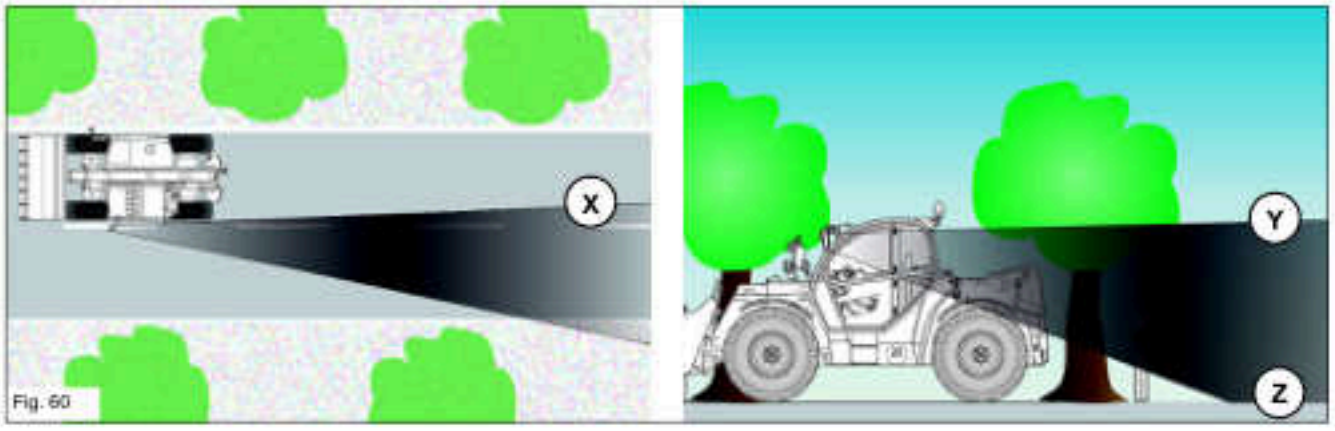


Fig. 60

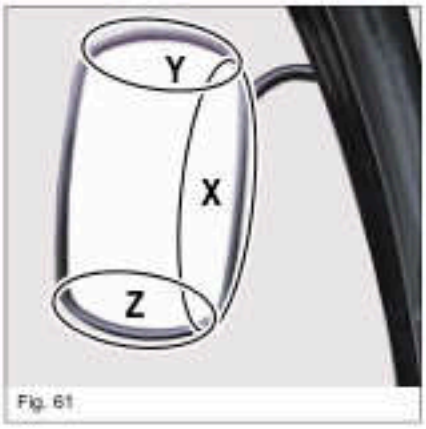


Fig. 61

2. Bring the rear-view mirror **left** into position
   - In the mirror area **X**, the outer edge of the vehicle must visible.
   - In the mirror area **Y**, the horizon must be visible.
   - In the mirror area **Z**, the visible area of the road must reach as close to the vehicle as possible.

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Engine vat

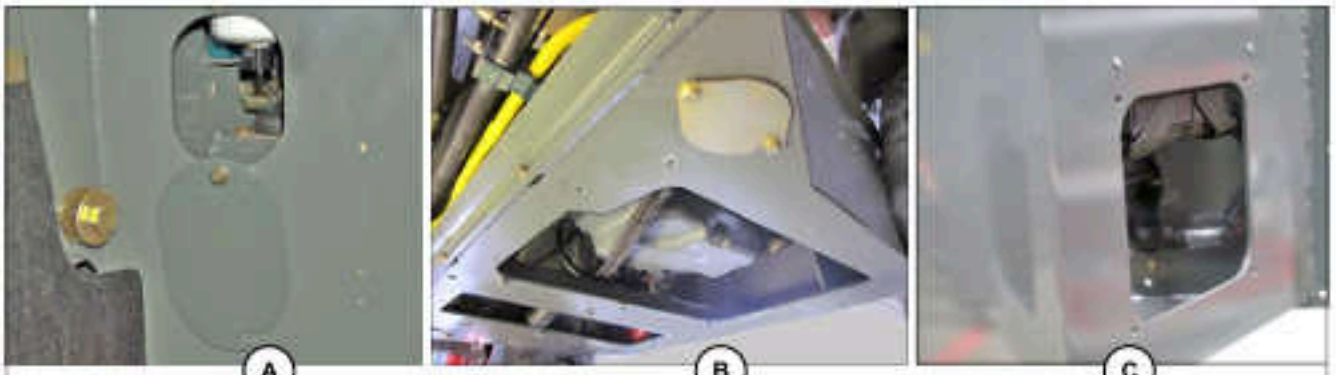


Fig. 343

A Maintenance access (at rear right of engine vat)
- ➥ Fuel prefilter

B Maintenance accesses (at bottom of engine vat):
- ➥ Engine oil change, oil filter, fuel filter, radiator

C Maintenance access (at front right of engine vat)
- ➥ Engine electronics (air conditioning)

Maintenance access at the rear of the machine

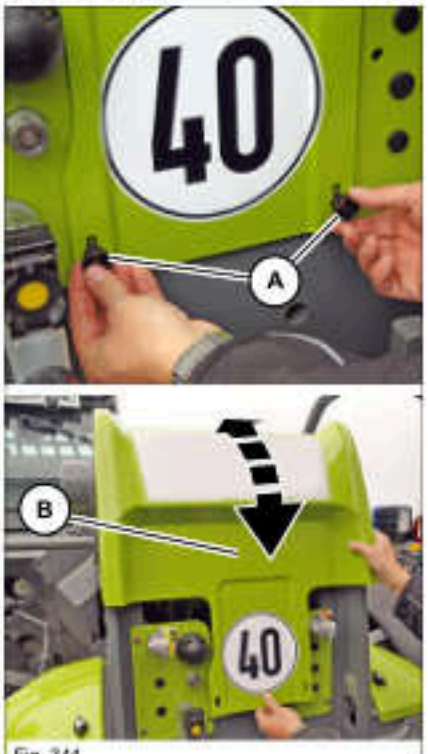


Fig. 344

Open the cover:

1. Stop the engine and remove the starting key.
2. Unscrew screws **A**, remove the washers.
3. Raise cover **B** upward.

Close the cover:

1. Hitch cover **B** from above.
2. Screw in screws **A** with the washers.

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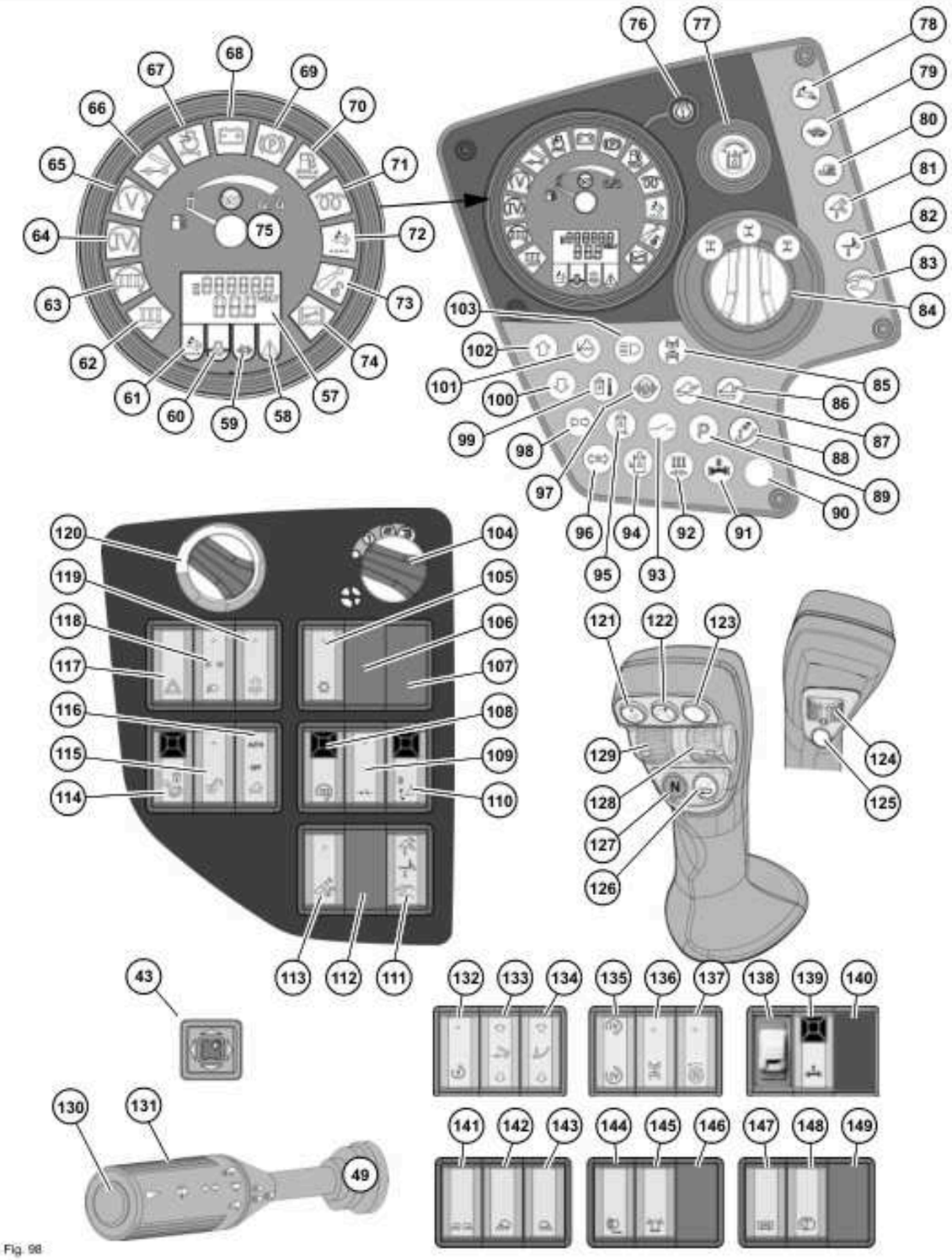


Fig. 98

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