Operator's Manual

Track excavator

14504



Machine model	**14504**
Edition	**1.1**
Order no.	**1000254773**
Language	**EN**

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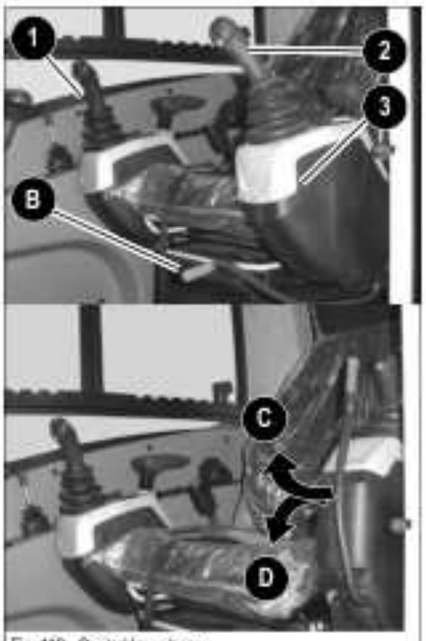


Fig. 119: Control lever base

☞ *Raise control lever base **3** to position **C** with handle **B***

➥ The gas strut keeps the control lever base in the top position

Caution!

Do not use handle **B** on the control lever base to ease your access when entering or leaving the cab:

☞ *Use the entrance handles in the cab!*

☞ *Fold control lever base **3** down to position **D** once you are in the cab*

➥ The gas strut keeps the control lever base in the lower position

Notice!

Enter and leave the cab only through the door as a rule. You can enter and exit the cab through the front and the right-hand side window in an emergency.

3.36 Adjusting the armrests



Fig. 120: Armrest

☞ *Release lock **A***

➥ Hold the armrest (it is pre-tensioned by a spring)

☞ *Pull out lock **A** and the pin, and let the armrest engage in the required position*

☞ *Tighten lock **A***

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5.7 Air filter

Caution!

The filter elements will be damaged if they are washed or brushed out! Bear in mind the following to avoid premature engine wear or damage:

☞ *Do not clean the filter elements.*

☞ *Replace the filter elements according to the maintenance plan.*

☞ *Never reuse damaged filter elements.*

☞ *Ensure cleanliness when replacing the filter elements!*

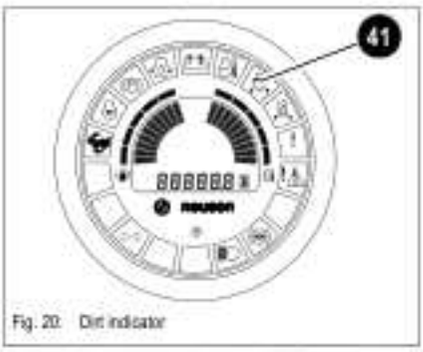


Fig. 20: Dirt indicator

Telltale **41** on the instrument panel monitors the filter cartridge.

☞ *Replace outside filter **B** and inside filter **C**:*

- If telltale **41** in the round display element comes on
- According to the maintenance plan

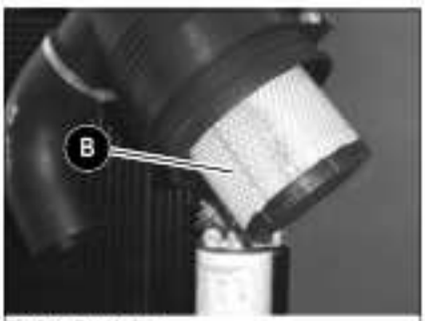


Fig. 21: Outside filter

Caution!

Filter elements degrade prematurely when in service in acidic air for longer periods of time. This risk is present for example in acid production facilities, steel and aluminium mills, chemical plants, other nonferrous-metal plants and in environments with increased dust development.

☞ *Check the air filter element every 50 service hours at the latest, and replace it if necessary!*



Fig. 22: Inside filter

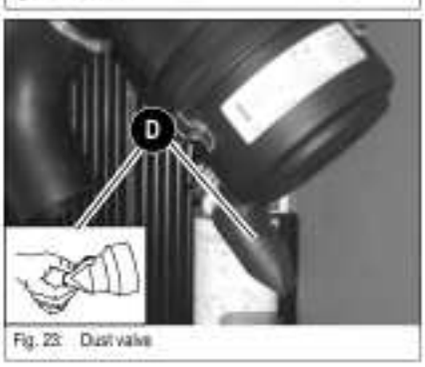


Fig. 23: Dust valve

General instructions for air filter maintenance:

- Store filter elements in their original packaging and in a dry place
- Do not knock the filter element against other objects as you install it
- Check air filter attachments, air intake hoses and air filters for damage, and immediately have it repaired or replaced necessary
- Check the screws at the induction manifold and the clamps for tightness

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5.19 Fluids and lubricants

Component/ application	Engine/machine fluid	Specification	Season/temperature	Capacities[1]
Diesel engine	Engine oil SAE 10W-40	API: CG-4/CH-4/CI-4	-20 °C (-4 °F) +40 °C (104 °F)	About 15 l (4 gal)
		ACEA: E3, E4, E5		
Travelling drive	Gearbox oil SAE 80W-90	API: GL-4, GL-5	Year-round	About 2.2 l each (0.6 gal)
Swivel unit	Gearbox oil SAE 80W-90	API: GL-4, GL-5	Year-round	About 3.8 l each (1 gal)
Hydraulic oil tank	Hydraulic oil	HVLP46[2]	Year-round[3]	110 l (29.1 gal)
		HV 46[4]		
	Biodegradable oil[5]	See label on hydraulic oil tank		
Grease	Roller and friction bearings	KPF2N-20[6]	Year-round	As required
	Live ring: ball bearings			
	Live ring gears			
	Grease nipples			
Battery terminals	Acid-proof grease[7]	FINA Marson L2	Year-round	As required
Fuel tank	Diesel fuel[8]	2-D ASTM D975 – 94 (USA)	Depending on outside temperatures Summer or winter diesel fuel	About 205 l (54.2 gal)
		1-D ASTM D975 – 94 (USA)		
		EN 590 : 96 (EU)		
		BS 2869 – A2 (GB)		
Radiator	Coolant	Soft water + antifreeze ASTM D4985	Year-round	About 13.5 l (3.5 gal)
		Distilled water + antifreeze ASTM D4985		
Air conditioning	Refrigerant[9]	R134a according to DIN 8960	Year-round	1350 g
	Compressor oil	Sanden SP10	Year-round	122 cm³
Washer system	Cleaning agent	Cleaning agent with antifreeze	Year-round	1.2 l (0.31 gal)

1. The capacities indicated are approximative values; the oil level check alone is relevant for the correct oil level
   Capacities indicated are no system fills
2. According to DIN 51524 section 3
3. Depending on local conditions – see ***Hydraulics oil grade*** on page 5-46
4. According to ISO 6743/4
5. Biodegradable hydraulic oil based on saturated synthetic esters with an iodine value of < 10 g/mg, according to DIN 51524, section 3, HVLP, HEES
6. KPF2N-20 according to DIN 51502 EP multipurpose calcium sulphonate complex grease
7. Standard acid-proof grease
8. Sulphur content below 0.05 %, cetane number over 45
9. Maintenance work may only be carried out by trained staff

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