Operator's Manual

Track excavator

803



Machine model	**803**
Edition	**2.0**
Order no.	**1000161857**
Language	**EN**

WACKER NEUSON

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3.6 Control levers: overview

Notice!

Fast actuation of the control lever for the attachment moves the attachment fast. Slow actuation of the control lever moves the attachment slowly.

Left-hand side control lever

Danger!

Unintentional operation of control lever fig. 23/**14** when driving on public roads

Danger of accidents!

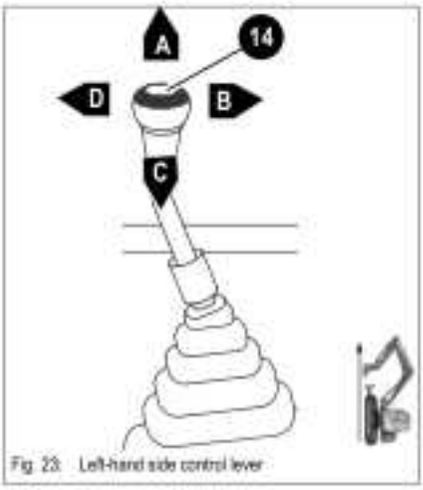


Fig. 23: Left-hand side control lever

Position	Lever	Function
• A	☞ *Forwards*	➥ Stick is extended
• B	☞ *To the right*	➥ Upper carriage rotates to the right
• C	☞ *Backwards*	➥ Stick is retracted
• D	☞ *To the left*	➥ Upper carriage rotates to the left

Notice!

Always carry out smooth control movements.

Boom swivel controls

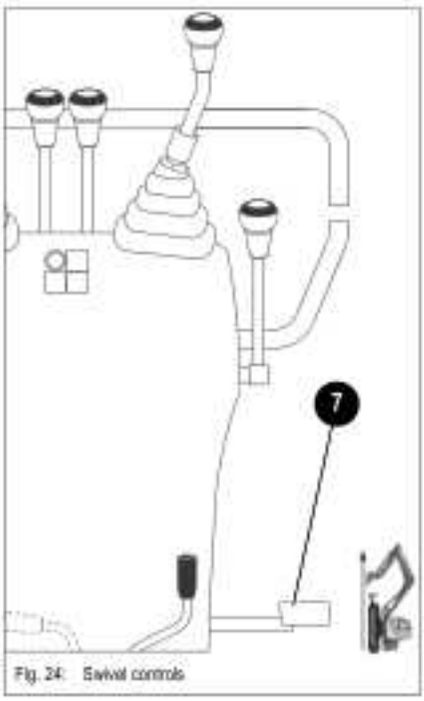


Fig. 24: Swivel controls

Swivel boom to the left:

☞ Move the right-hand side pedal **7** forwards

Swivel boom to the right:

☞ Move the right-hand side pedal **7** backwards

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5.12 Fluids and lubricants

Component/ application	Engine/machine fluid	Specification	Season/tempera-ture	Capacities[1]
Diesel engine	Engine oil	API CD, CF, CF-4, CI-4	–15 °C +45 °C	2.5 l
		ACEA E3, E4, E5 (SAE10 W 40)[2]		
Hydraulic oil tank	Hydraulic oil	HVLP46[3]	Year-round[4]	19 l
	Biodegradable oil[5]	PANOLIN HLP Synth 46		
		FINA BIOHYDRAN SE 46		
		BP BIOHYD SE-46		
Grease	Roller and friction bearings[6]	FINA Energrease L21M	Year-round	As required
	Open gear[7] (live ring gears)	BP Energrease MP-MG2	Year-round	As required
Grease nipples	Multipurpose grease[8]	FINA Energrease L21 M	Year-round	As required
Battery terminals	Acid-proof grease[9]	FINA Marson L2	Year-round	As required
Fuel tank	Diesel fuel	2-D ASTM D975 – 94 (USA)	Depending on outside tempera-tures Summer or winter diesel fuel	7 l
		1-D ASTM D975 – 94 (USA)		
		EN 590 : 96 (EU)		
		ISO 8217 DMX (International)		
		BS 2869 – A1 (GB)		
		BS 2869 – A2 (GB)		
Radiator	Coolant	Soft water + antifreeze ASTM D4985	Year-round	2.9 l
		Distilled water + antifreeze ASTM D4985		

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 51511
3. According to DIN 51524 section 3
4. Depending on local conditions – see ***Hydraulics oil grade*** on page 5-31
5. Hydraulic ester oils (HEES)
6. KF2K-25 according to DIN 51502 multipurpose lithium grease with MoS^2 additive
7. KP2N-20 according to DIN 51502 EP multipurpose calcium sulphonate complex grease
8. KF2K-25 according to DIN 51502 multipurpose lithium grease with MoS^2 additive
9. Standard acid-proof grease

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5.13 Maintenance plan (overview)

Work description

For service and maintenance work on the attachment, please refer to the operation and maintenance manual of the attachment manufacturer as well.

	Maintenance plan/service hours (s/h)							
	Maintenance work (once a day)	Every 50 s/h	Every 250 s/h	Every 500 s/h	Every 1000 s/h once a year	Customer	Authorised workshop
Lubrication service ( ):							
Lubricate the following assemblies/components – *see Maintenance label on page 5-36*:							
• Stabiliser blade	●					●	
• Swivelling console	●					●	
• Boom	●					●	
• Stick	●					●	
• Attachments	●					●	
• Grease strip on chassis – *see Maintenance label on page 5-36*	●					●	
Functional check ( ):							
Check the function of the following assemblies/components. Rectify if necessary:							
• Working lights, signalling system[9]		●		●			●
Leakage check ( ):							
Check for tightness, leaks and chafing: pipes, flexible lines and screw connections of the following assemblies and components. Rectify if necessary:							
• Visual check	●					●	
☞ Engine, hydraulic system and hydraulic components	●					●	
☞ Cooling circuit	●					●	
☞ Travelling drive	●					●	

1. Drain engine oil the first time after 50 s/h, then every 250 s/h
2. Replace the engine oil filter the first time after 50 s/h, then every 250 s/h
3. Replace the fuel filter the first time after 50 s/h, then every 500 s/h
4. Replace the hydraulic oil filter insert the first time after 50 s/h, then every 500 s/h
5. Replace the hydraulic oil the first time after 500 s/h, then every 1000 s/h
6. Clean the water ducts every other 1500 s/h servicing
7. Clean and adjust the fuel injection pump every other 1000 s/h servicing
8. Check and adjust injection time every other 1500 s/h servicing
9. Switch on once every week

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