Operator's Manual

Track excavator

28Z3



Machine model	28Z3
Edition	2.0
Language	EN
Article number	1000177367

WACKER NEUSON

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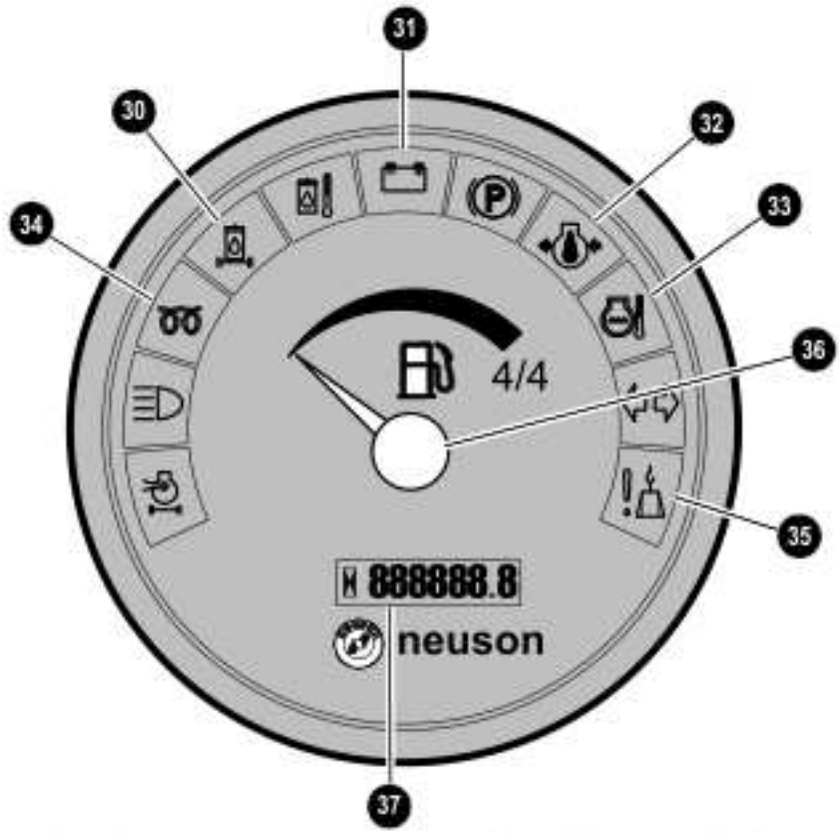
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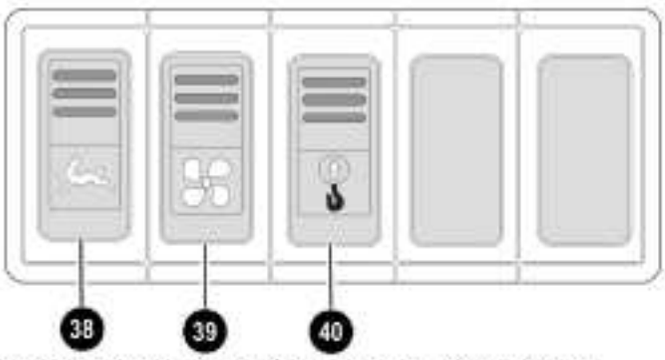
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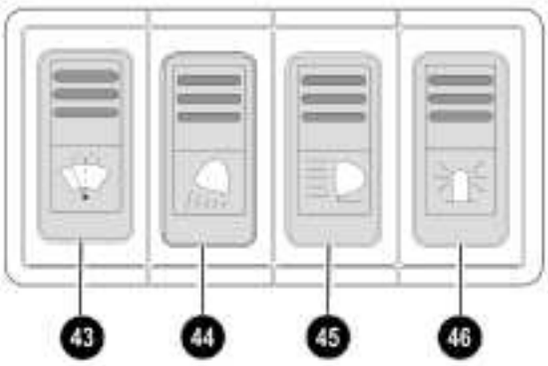
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Control element on control console

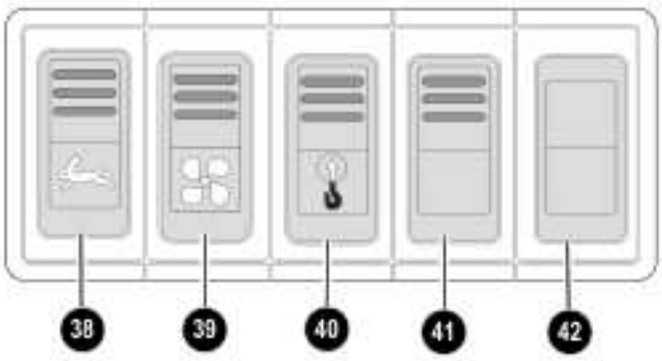


Control element on cab wall

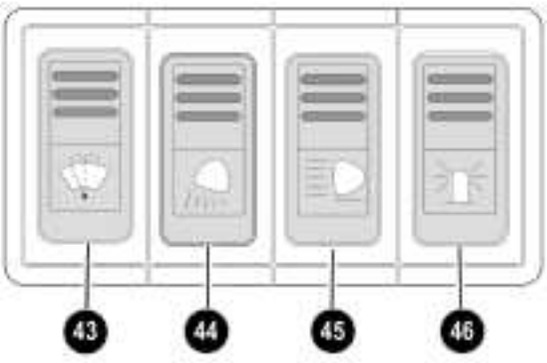


Control elements for proportional controls version (option):

Control element on control console



Control element on cab wall



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5.15 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)	50 s/h service	Every 250 s/h	Every 500 s/h	Every 1000 s/h once a year	Every 1500 s/h	Customer	Authorised workshop
Fluid and filter changes ( ):								
Carry out the following oil and filter changes (check oil levels after test run):								
• Engine oil[1]		●	●					●
• Engine oil filter[2]		●	●					●
• Fuel filter[3]		●		●				●
• Air filter element – maintenance display on filter							●	
• Coolant					●			●
• Hydraulic oil filter insert[4]		●		●				●
• Hydraulic oil					●			●
• Hydraulic oil tank breather					●			●
• Gearbox oil[5]		●			●			●
Inspection work ( ):								
Check the following material. Refill if necessary:								
• Engine oil	●						●	
• Engine coolant	●						●	
• Hydraulic oil	●						●	
• Gearbox oil		●						●
Clean water ducts[6]					●			●
Check radiator for engine and hydraulic oil for dirt. Clean if necessary	●						●	
Check cooling systems, heating and hoses for leaks and pressure (visual check)	●						●	
Replacing the cab filter				●				●
Air filter (damage)	●						●	
Check the pilot control filter for dirt, clean it if necessary				●			●	
Prefilter with water separator: drain water	●						●	
• Clean				●				●
Check V-belt condition and tension	●						●	

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6.8 Noise levels

Sound power level	Model 28Z3
Sound power level (L_{WA})	93 dB (A)
Sound pressure level (L_{PA}) at the driver's ear	≤ 78 dB (A)

Notice!

Measurement of sound power level according to EC Directive 2000/14 EC. Noise level at the driver's ear measured according to EC Directives 84/532/EEC, 89/514/EEC and 95/27/EEC.
Measurements carried out on asphalted surface.

6.9 Vibration

Vibration	
Effective acceleration value for the upper extremities of the body *	< Trigger value
Effective acceleration value for the body *	< Trigger value

* Measurements as per 2002/44/EC (excavating, driving and hammering with a Wacker Neuson hammer). Machine and attachment operation and maintenance as per Operator's Manual

6.10 Coolant compound table

Outside temperature	Coolant			
	Water	Anticorrosion agent		Antifreeze agent
Up to °C	% by volume	cm³/l	% by volume	% by volume
4	99	10	1	–
-10	79			20
-20	65			34
-25	59			40
-30	55			44

6.11 Powertilt

Powertilt	Model 28Z3
Model size	6
Piston stroke	525 cm³ (32 cu. in.)
Required oil flow	3 – 6 l/min (0.8 – 1.6 gal/min)
Connections	1/4"
Slewing range	180°
Weight	65 kg (143.3 lbs.)
Drive torque – at 210 bar (3045 psi)	2990 Nm (2205 ft/lbs.)
Holding torque – at 225 bar (3263 psi)	7270 Nm (5362 ft/lbs.)
Minimum hose/pipe size Connecting hose size	10 mm (0.4") 6 mm (0.23")

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3.1 Cab overview

Pos.	Description	For more information see page
1	Hammer pedal for boom slewing	3-37
2	Control lever (left)	3-41
3	Control lever (right)	3-41
4	Control lever base (left)	
5	Control lever base (right)	
6	Armrest (left)	
7	Armrest on the right (not shown)	
8	Lever (horizontal seat adjustment)	3-25
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10	Radio (option)	
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