User manual

Crawler excavator

8002 RD



Edition: April 2003
Item No.: 1000081390
Language: English

neuson®

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publication 1000081390
Order the manual at mid-west-tech.com >

	Introduction	8
1.2	Instructions for ordering spare parts	9
1	Guarantee and warranty	9
1.1	Identification Plate	9
2	Safety	10
2.1	Safety rules	11
2.2	EC - Declaration of Conformity	17
3	Specifications	17
3.1	Technical Data Crawler Excavator 8002 RD	17
	Principal Data	17
	Driving and swiveling specifications	17
	Engine	18
	Hydraulic system	18
	Dozer blade	18
	Bucket (Standard)	18
3.2	Noise emissions Crawler Excavator 8002 RD	19
3.3	Vibration levels	19
3.4	Fire extinguisher	19
3.5	Stickers	20
3.6	Primary Dimensions Crawler Excavator 8002 RD	22
4	Component Designations	23
4.1	Cab equipment and controls	24

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

4.2 Excavator components 25

Work lights 26

Accelerator 26

Driver's Seat 26

Heater, Heating and Air Vents 27

Windshield Wipers 27

4.3 Hydraulic system 27

Emergency operation of attachments 27

Release of residual pressure 27

Check hydraulic oil level 28

Hydraulic connections for additional attachments 28

5 Safety Equipment 29

5.1 Parking Brake and Locking Mechanism 29

5.2 Seat 29

6 Instrument Panel Functions 30

Round display element 30

Lamps 30

6.1 Fuse box 32

Order of fuses 32

7 Swinging and swiveling the excavator equipment 32

7.1 Left control lever 33

7.2 Right control lever 33

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

7.3 Excavator arm movements 34
7.4 Dozer blade 34
7.5 Changing attachments 35
8 Towing equipment 36
9 Lifting the Crawler Excavator 36
10 Excavating options 37
10.1 Digging 37
10.2 Excavator arm swing angle 37
10.3 Bulldozing 38
10.4 Lifting 38
10.5 Cab protection 38
10.6 Stability 39
11 Transport instructions 40
11.1 After loading 40
12 Things to check before starting the excavator 41
12.1 Visual inspection 41
12.2 Check motor oil 41
12.3 Check hydraulic oil level 41
12.4 Check coolant level 42
12.5 Refuelling 42
12.6 Check safety equipment 42

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

3 Specifications

3.1 Technical Data Crawler Excavator 8002 RD

Principal Data

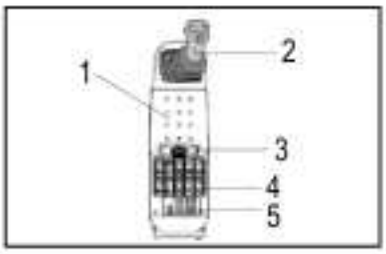
Principal Data 8002 RD	Standard	Vario
Unladen weight with cab	7900 kg	8520 kg
Height to top of cab	2570 mm	2700 mm
Width	2150 mm	2150 mm
Lenght	3800 mm	3800 mm
max. digging depth	4400 mm	4270 mm
max. digging height	7220 mm	7350 mm
max. dumping height	5180 mm	5310 mm
max. digging radius	7240 mm	7240 mm
Force per bucket tooth	4960 kp	4960 kp
min. rear swiveling clearance	1590 mm	1590 mm
min. excavator arm clearance	1670 mm	1670 mm
Excavator arm angle left	80°	80°
Excavator arm angle right	50°	50°

Driving and swiveling specifications

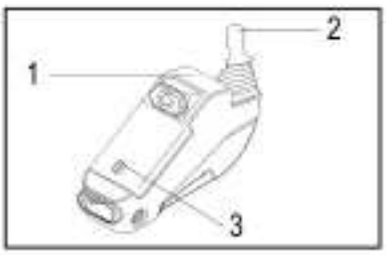
Driving and swiveling specifications 8002 RD	
2 speeds	4 and 6 km/h
Climbing ability	30° (58%)
Track width	450 mm
Number of track rollers per side	5 per side
Track tensioner	Grease cylinder with tension spring
Ground clearance	390 mm
Ground pressure (of excavator when level	0,38 kg/cm²
Swiveling speed of revolving superstructure	9,5 revolutions per min

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

6 Instrument Panel Functions

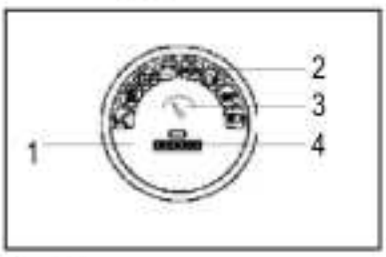


1 Dashboard right
2 Control lever right
3 Ignition lock
4 Instrument panel
5 Fuse box



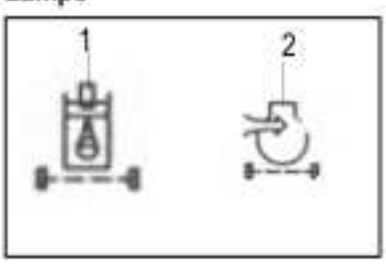
1 Dashboard left
2 Control lever left
5 Cold/hot adjustment

Round display element

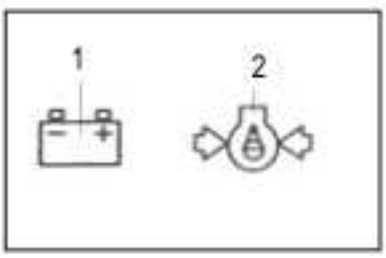


1 Round display element
2 Lamps
3 Fuel gauge
4 Operating hours meter

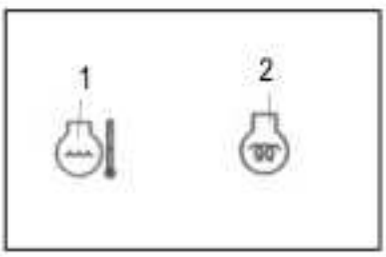
Lamps



1 Clogging indicator for hydraulic filter (o)
2 Clogging indicator for air filter



1 charge control
2 Motor oil pressure



1 Water temperature indicator
2 Preheating pilot lamp

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

19 Maintenance every 250 operating hours

NOTE: In addition to normal weekly maintenance and maintenance every 50 operating hours, the following maintenance should be carried out every 250 operating hours, see maintenance schedule 16.2.

19.1 Engine

See engine operating instructions for maintenance schedule.

Change oil and oil filter

See engine operating instructions.
Dispose of used oil in accordance with environmental laws.

Replace fuel filter

Dispose of used filter in accordance with environmental laws.

Check engine rpms and exhaust system

See engine operating instructions.

19.2 Hydraulics

ATTENTION: Always release residual pressure before working on the hydraulic system!

Check hydraulic oil and filter

If it is necessary to replace the hydraulic filter, dispose of the used filter in accordance with environmental laws.

19.3 Electrical components

Check the cable harness and the battery. If necessary tighten and secure to avoid twisting.

19.4 Attachments

Check for play and replace damaged or defective parts!

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

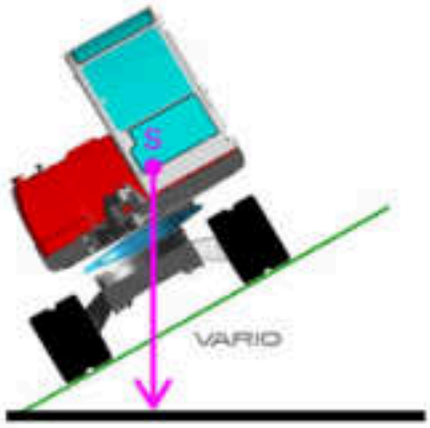
Lubrication Points at Neuson Vario

There is another lubrication nipple on the top side of the eccentric disk



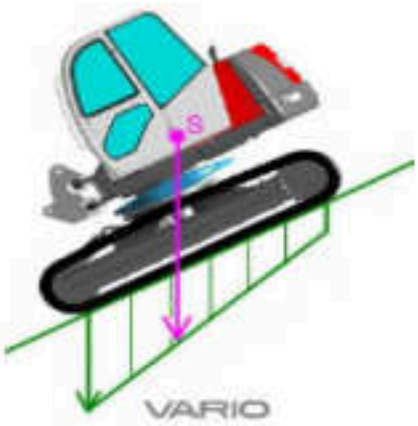
MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >

Driving the Neuson Vario Transverse to the Slope



To achieve a better stability when driving transverse to the slope the excavator should be shifted towards the slope.

WARNING: For reasons of safety only the eccentric position indicated above may be chosen for driving transverse to the slope.



To achieve a better climbing ability when driving uphill, the centre of gravity of the Neuson Vario shall be shifted towards the slope .

MidWestTech | Wacker Neuson 8002 RD Crawler Excavator Operator's Manual | Publi... Order the manual at mid-west-tech.com >