User manual

Crawler excavator

12002 RD



Edition: April 2003
Item No.: 9707672
Language: English

neuson®

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3 Specifications

3.1 Technical Data Crawler Excavator 12002 RD

Principal Data

Principal data 12002 RD	standard	Vario
Unladen weight with cab	11520 kg	12190 kg
Height to top of cab	2790 mm	2933 mm
Width	2400 mm	2400 mm
Length	4150 mm	4150 mm
max. digging depth	4480 mm	4337 mm
max. digging height	7850 mm	7993 mm
max. dumping height	5480 mm	5623 mm
max. digging radius	7760 mm	7760 mm
Force per bucket tooth	7100 kp	7100 kp
min. rear swiveling clearance	1645 mm	1645 mm
min. excavator arm clearance	2100 mm	2100 mm
Excavator arm angle left	80 degrees	80 degrees
Excavator arm angle right	50 degrees	50 degrees

Driving and swiveling specifications

Driving and swiveling specifications 12002 RD	
2 speeds	3 & 6 km/h
Climbing ability	30degrees (58%)
Track width	500 mm
Number of track rollers per side	6 per side
Track tensioner	Grease cylinder with tension spring
Ground clearance	420 mm
Ground pressure (of excavator when level)	0,43 kg/cm²
Swiveling speed of revolving superstructure	11 revolutions per min

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Cab equipment and controls 12002 RD	
1	Hammer pedal with cover
2	Left drive lever and overdrive switch foot pedal
3	Seat spring tension adjustment
4	Right drive lever with foot pedal
5	Seat back adjustment
6	Footrest
7	Dozer blade lever with foot pedal
8	Heating and air vents
9	Round display element
10	Throttle control
11	Armrest
12	Right control lever for boom and bucket caylinder, Horn
13	Ashtray
14	Radio
15	Ignition
16	Storage
17	Fuse box
18	Heizung
19	Left control lever for swiveling and controlling bucket stick, swinging arm
20	Lever to fold back left steering control console
21	Seat adjustment

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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!

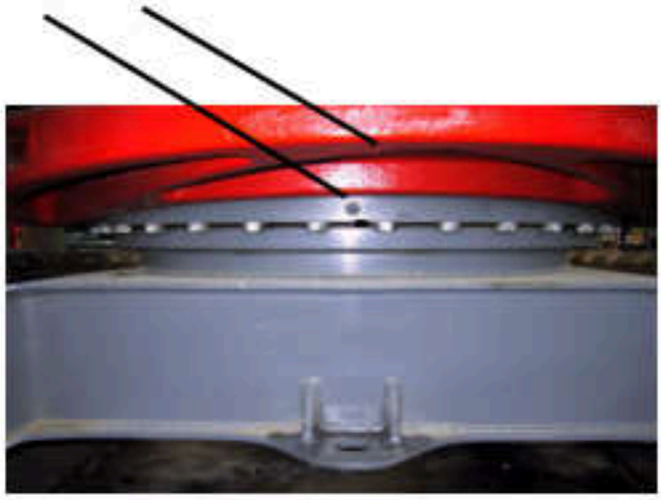
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Lubrication Points at Neuson Vario

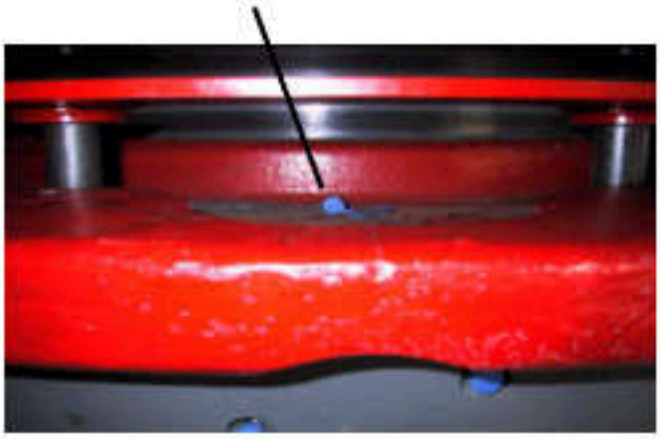
At the lower live ring there is a total of 4 lubrication points.



Opposite side



There is another lubrication nipple at the top side of the eccentric disk.

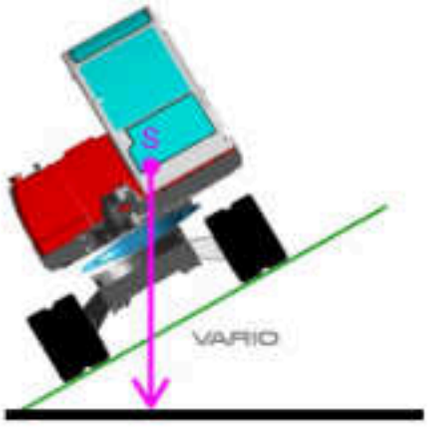


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WARNING: Make movements only with boom supported. Always make sure that lock is engaged!

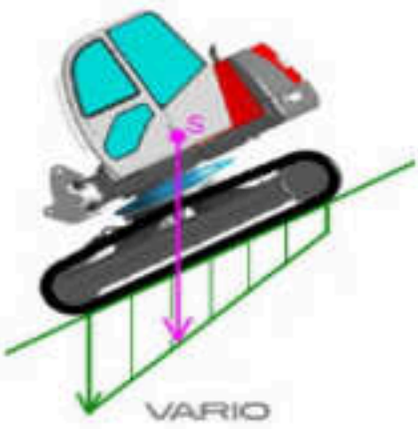
Driving the Neuson Vario Transverse to the Slope

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.



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