USER MANUAL

DUMPER

3501
4001



neuson®

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MidWestTech | Wacker Neuson 3501, 4001 Dumper Operator's Manual | Publication 1000103791

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17 Maintenance Every 250 Operating Hours

NOTE: In addition to the maintenance work to be done weekly and every 50 operating hours the following work shall be done, cf. also Maintenance Schedule item 14.2.

17.1 Engine

For maintenance work please cf. the operating instructions for the engine.

17.1.1 Change Motor Oil and Oil Filter

See operating instructions for the engine.
Dispose of waste oil and filter as provided by the environmental law.

17.1.2 Replace Fuel Filter

Dispose of filter as provided by the environmental law.

17.1.3 Check Engine Speed and Exhaust System

See operating intructions for the engine.

17.2 Hydraulic System

17.2.1 Check Hydraulic Oil and Hydraulic Oil Filter

If a change of the filter becomes necessary, it must be disposed of as provided by the environmental law.

17.3 Electrical System

Check the fixtures of the cable harnesses and the battery. Retighten, if necessary, and lock them against rotation.

17.4 Winter Operation

* Before the cold season the battery fluid must be checked for being frost-resistant. Stored devices must be converted to winter diesel.

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L18	stop light
L19	reversing lamp
M1	starting motor
S1	ignition key
S2	light switch
S3	switch for hazard warning signal flasher
S4	level switch brake fluid
S5	stop light switch
S6	driving selector switch
S7	flasher - full headlight beam switch
S8	horn pushbutton
S11	pressure switch motor oil pressure
S12	pressure switch hydraulic oil filter
S13	switch fuel reserve
S14	diesel tank sensor
S15	water temperature switch
S16	stopping solenoid
S17	parking brake switch
EV1	solenoid valve for reverse motion
EV2	solenoid valve for forward motion
EV3	solenoid valve for slow motion
ST1	operating hours meter
T1	fuel gauge

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6.3.6 The bearing capacity of bridges, basement ceilings, vaulting etc. must be checked before driving over them.

6.3.7 The clearance dimensions of underpasses, tunnels etc. must be checked prior to driving into them.

6.3.8 On high gradients and slopes, the load must be kept towards the incline if possible to increase stability.

6.3.9 The engine must not be out of gear when driving downhill. Prior to driving down the slope, the gear suited to the terrain must be selected and no gear change made while driving downhill.

6.3.10 Slopes on driveways must be designed to ensure that earthmoving machinery can be safely braked.

6.3.11 Extensive reversing should be avoided.

6.3.12 Earthmoving machinery must not be driven on the public highway unless an operating and driving licence compatible with the national traffic legislation is available.

6.3.13 Outside the public transport area, e.g. on construction sites, traffic regulations should be applied analogously. This point should also be taken into account there with respect to the driving licence.

6.4 Loading, unloading

6.4.1 The machine operator must not swing the operating devices across occupied driving, operating and working places of other machines unless they are secured with fall-over protective structures (FOPS).

6.4.2 If the required protection above the driver's cab is not present, the driver of that vehicle must leave the driver's stand when swinging across it is necessary.

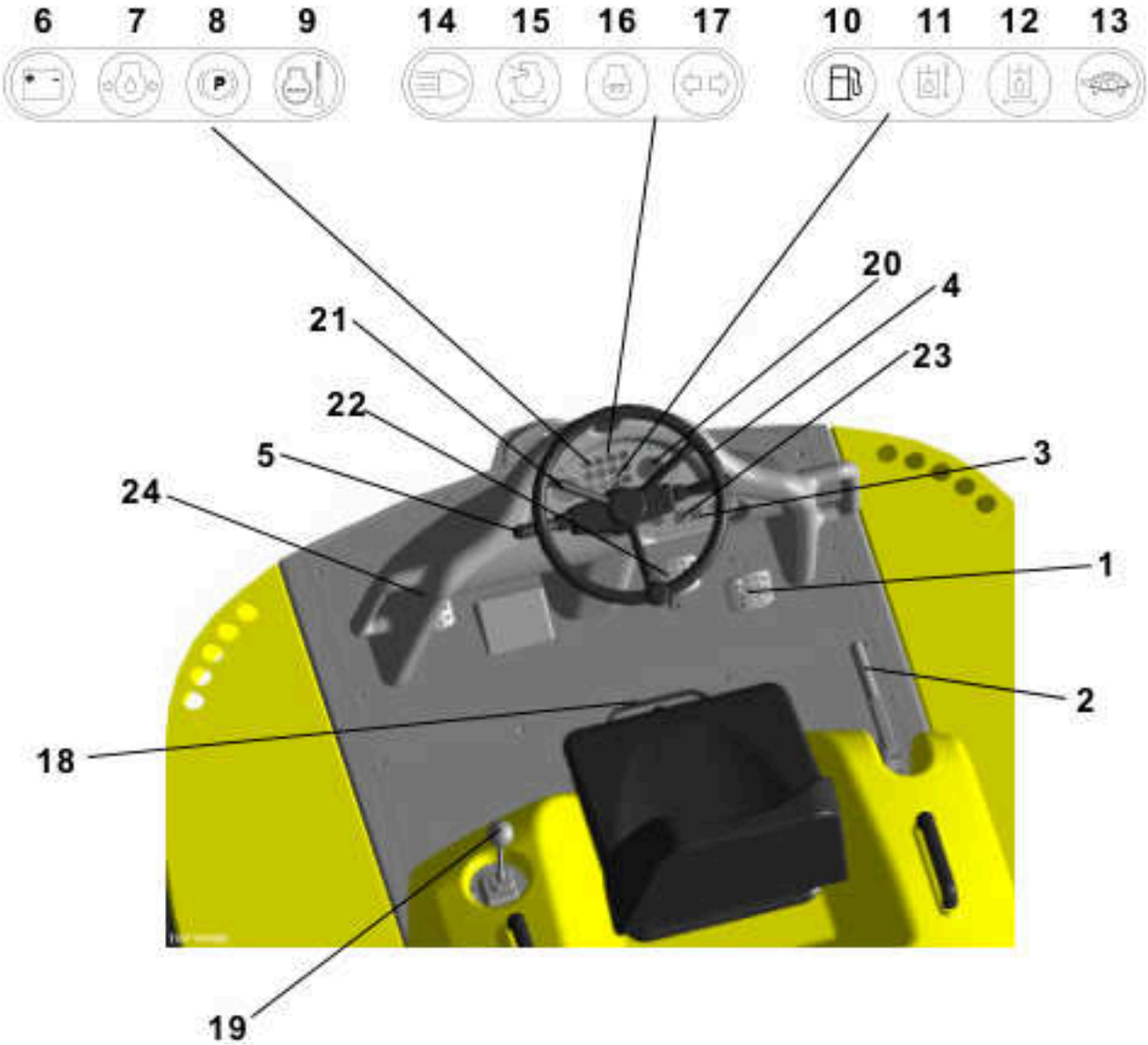
6.4.3 The vehicles must be loaded in such a way that they are not overloaded and cannot lose any material while being driven. They must be loaded from the lowest possible height.

6.4.4 The unloading locations must be designed to ensure that extensive reversing is avoided as fast as possible.

6.4.5 Earthmoving machinery must not be operated at dumping sites unless appropriate measures have been taken to prevent inadvertent movement or overturning.

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4.1 Operating Equipment



1	driving pedal	12	pilot lamp hydraulic oil filter
2	parking brake	13	pilot lamp slow motion
3	ignition lock I ignition II preheating III starting	14	pilot lamp full headlight beam
		15	not assigned
		16	pilot lamp preheating
4	commutator switch	17	pilot lamp flasher
5	flasher switch - horn	18	strap for longitudinal shifting of seat
6	pilot lamp charge	19	control lever for dump body
7	pilot lamp motor oil pressure	20	operating hours meter
8	pilot lamp parking brake	21	fuel gauge
9	pilot lamp engine temperature	22	braking pedal
10	pilot lamp fuel reserve	23	light switch
11	not assigned	24	differential lock

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