OPERATOR'S MANUAL

EW220
WHEELED EXCAVATOR

NEW HOLLAND
CONSTRUCTION

73179376NA

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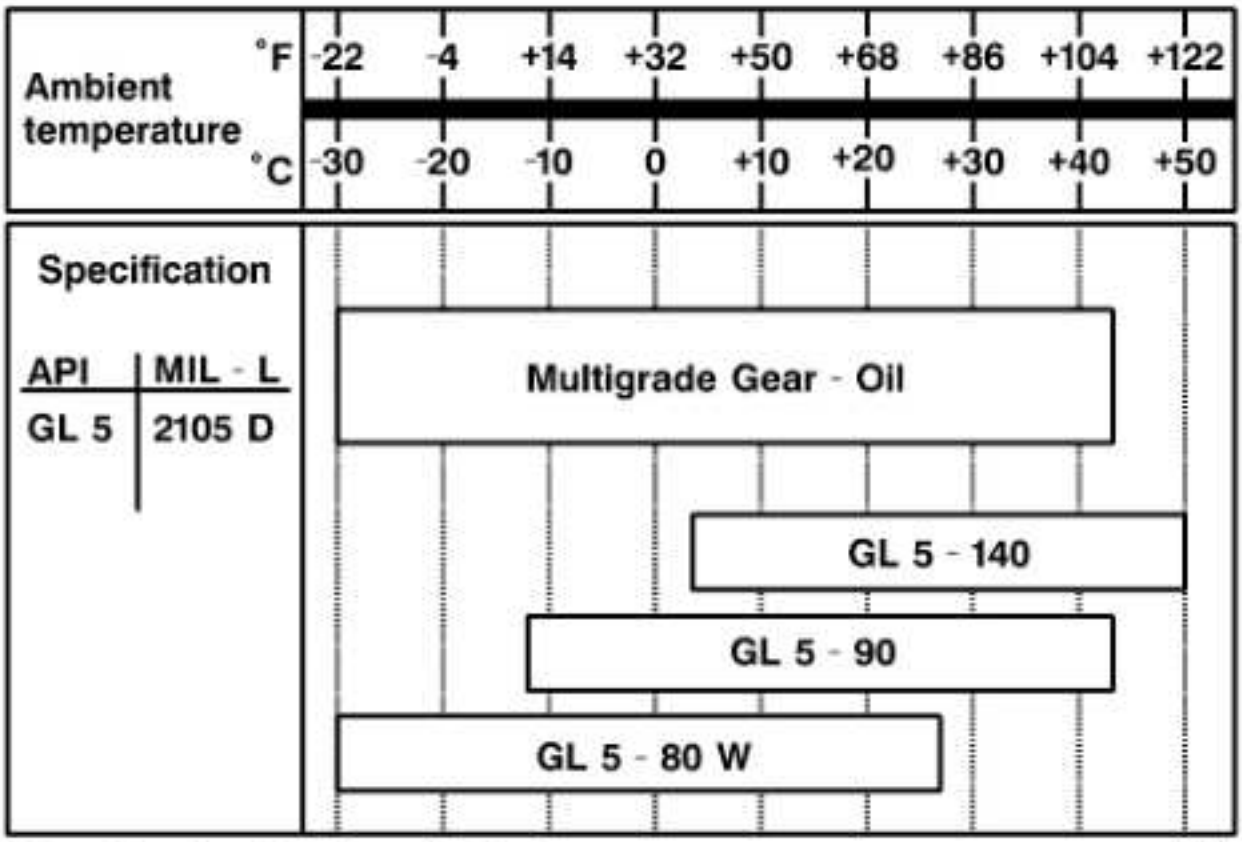
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III. Oils for gearboxes (selection)

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API: American Petroleum Institute

MIL: US armed forces fuel specifications for engine and machine manufacturers

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Battery main switch

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The battery main switch is installed in the battery compartment beside the batteries (Fig. 1).

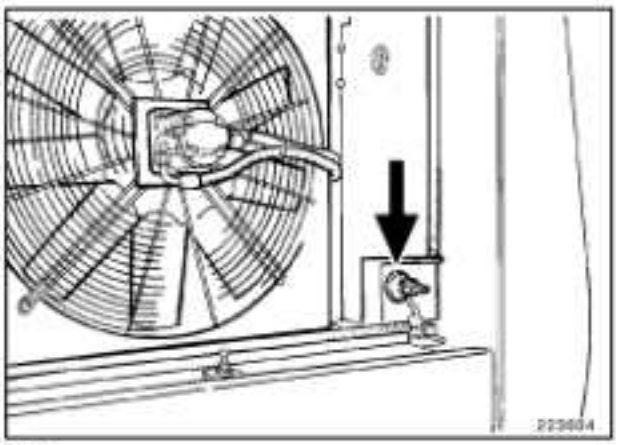


Fig. 1

If the switch lever is set to OFF, the main switch disconnects the negative pole of the battery from the vehicle chassis so that the electrical system of the machine is without tension.

In the OFF position, the lever of the battery main switch can be withdrawn.

⚠ WARNING

Setting the battery main switch to OFF when the diesel engine is running may cause voltage spikes which can cause irreparable damage to electrical and electronic components.

For this reason: shut off the diesel engine before setting the battery main switch to OFF.

□

Battery, checking

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Battery - checking the fluid level

(Not applicable to maintenance-free batteries)

- Unscrew the caps.
- If checking inserts are installed, the battery fluid must reach the bottom of the inserts.
- If no checking inserts are installed, insert a clean piece of wood into the battery down to the top of the plate. The wood must be wet over at least 10 mm (0.39").
- If the fluid level is too low, top up with distilled water only.

Battery - checking the charge

The acid temperature should be 20°C (68°F).

- Unscrew the battery caps (Fig. 1).
- Measure the acid density of the battery with a standard test instrument (Fig. 1).

  The acid density is in direct correlation with the battery charge.

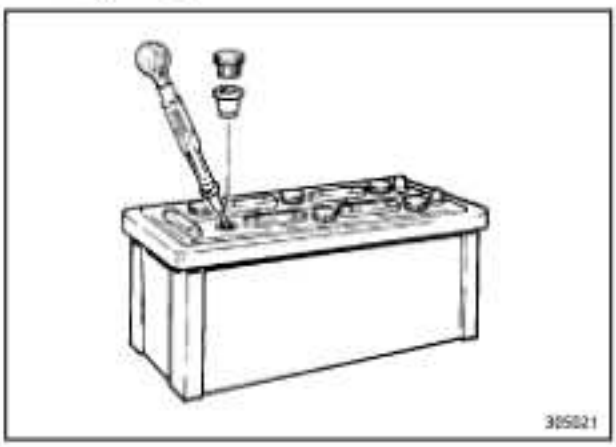


Fig. 1

Acid density		
in kg / dm³		Charge
Normal	Tropics	
1.28	1.23	charged
1.20	1.12	half-charged, recharge
1.12	1.08	discharged, recharge at once

□

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Swing ring - filling grease

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DANGER

Danger of injury

Only swing superstructure when no-one is in the swinging area.

The gearing of the swing ring is filled with grease via the lubricating nipple (Fig. 3).

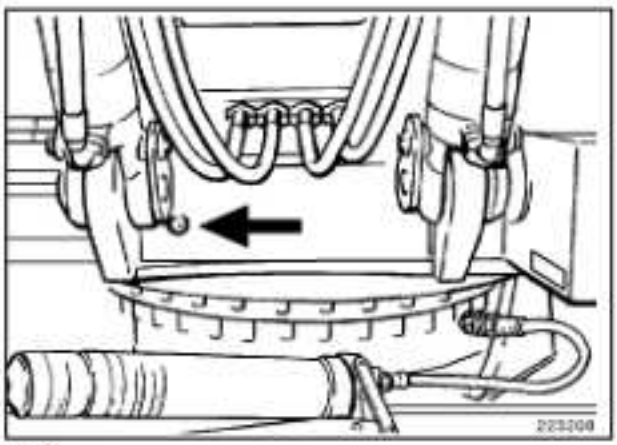


Fig. 3

- Place filling nozzle of grease gun on lubricating nipple (Fig. 3).
  - To regrease gearing, apply approx. a quarter of a grease cartridge.
    Swing superstructure by 90°. Now apply another quarter of the cartridge. Continue as described until the cartridge is empty.
  - If the gearing requires a new grease filling, please see the "Filling quantities - grease" table for required grease quantity.
- Now swing the superstructure round slowly, a number of times. This ensures even distribution of the grease. □

Swing ring - greasing the bearing

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DANGER

Danger of injury

Only swing superstructure when no one is in the swinging area.

Grease the bearing at the A-frame through greasing nipple (Fig. 4).

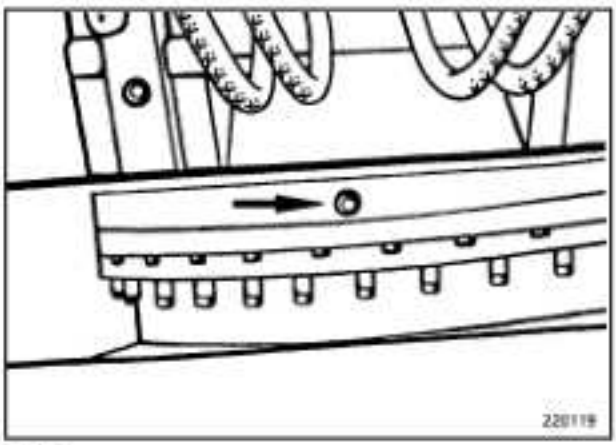


Fig. 4

- Place filling nozzle of grease gun on lubricating nipple.
- Inject grease a number of times in each greasing nipple.
- Swing superstructure round slowly, a number of times. The grease is distributed evenly. □

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