CASE

PROFESSIONAL PARTNER

OPERATOR'S MANUAL

WHEEL LOADER

21D

121D

221D

321D

6-84231NA

Issued 12-2004

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Loading bucket equipment control lever

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The control lever (40b, Fig. 1) is used for initiating the working movements.

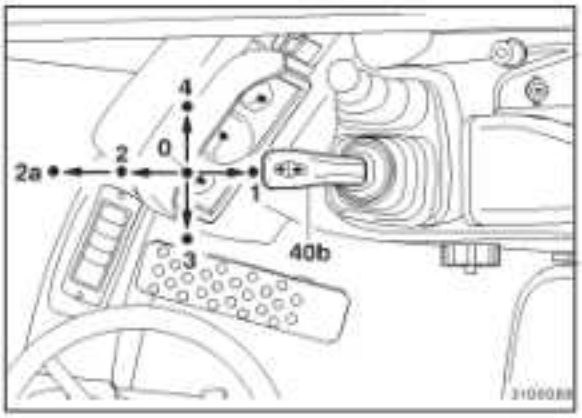


Fig. 1

Control layout (Fig. 1):

0	=	holding position
1	=	lifting
2	=	lowering
2a	=	floating position (lock position)
3	=	back-tipping
4	=	dumping

Floating position of loading bucket

WARNING

Never activate the floating function when the working equipment is in lifted position as the equipment would otherwise sink too fast.

In machines with pipe break protection, the floating position is not operational. The control lever cannot be moved into position 2a.

Floating position 2a permits levelling a subgrade while the machine is reversing.

For levelling, stand the bucket on the ground. Then, set control lever (25) to position 2a and engage. The bucket now rests freely on the ground, loaded only by its own weight. After setting back the control lever to position 2, the floating position function is cancelled.

Pull the control lever by hand back from position 2a into position 2. From all other positions, the lever goes back to neutral automatically .

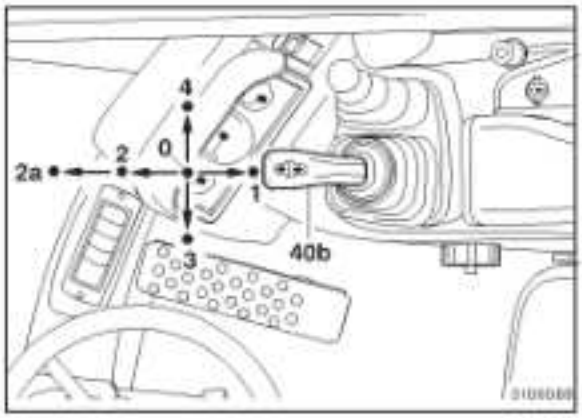
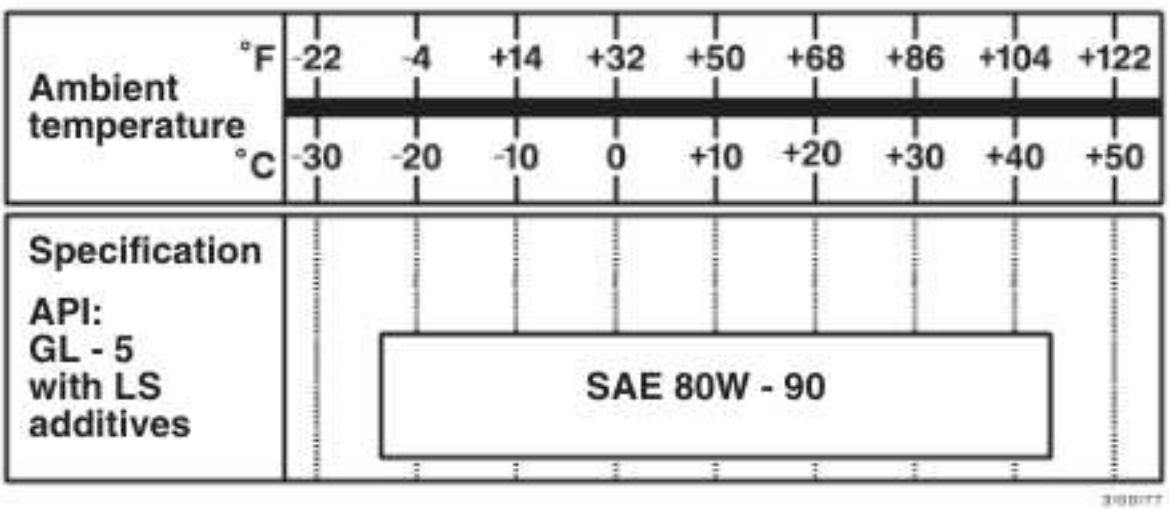


Fig. 2

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III. Oils for axles and gearboxes



API: American Petroleum Institute

LS: Limited slip

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Breather filter

The breather filter (Fig. 5) ensures aeration and deaeration of the hydraulic reservoir when the hydraulic oil level varies.

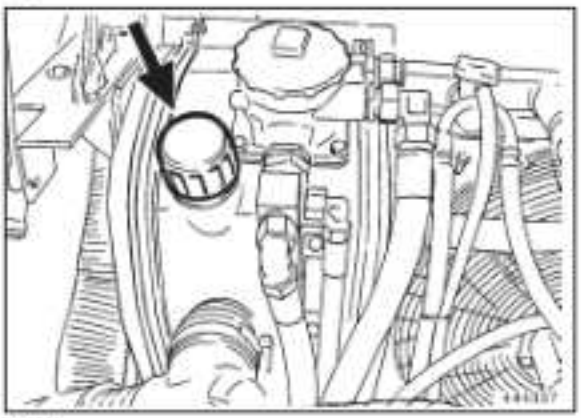


Fig. 5

The breather filter is equipped with a filter element which prevents dust and dirt from getting into and oil splashes from getting out of the reservoir. Replacing or cleaning is not possible.

The breather filter must therefore be replaced completely in acc. with servicing plan **D** .

Hydraulic reservoir

Hydraulic oil change

- Lower the equipment to the ground.
- Shut off the engine, apply the parking brake.

⚠ WARNING

Risk of scalding from hot engine oil.

Collect escaping hydraulic oil and discard without polluting the environment.

Read and observe "Inspection and servicing, safety instructions".

Never start the engine while the hydraulic oil reservoir is empty.

Secure the machine against unauthorized starting.

For draining, unscrew the plug at the combined radiator.
Place a collecting recipient under the hydraulic reservoir. Capacity: see table of refilling quantities.
Unscrew the cover (2, Fig. 2) of the return-flow filter and withdraw the filter pot (12). Clean the bottom and the inside of the reservoir through the opening with hydraulic or flushing oil and screw the plug back in place.

Filling oil into the hydraulic reservoir

Unscrew the breather filter. Fill in new hydraulic oil through a strainer-equipped funnel using a hand pump or an oil can until the oil level reaches the upper area of the inspection glass. Screw cover (2) back in place and bleed the whole system.

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