

8. Maintenance

WARNING!

Do not remove engine covers or carry out maintenance with engine running. All necessary maintenance works can be seen in the maintenance schedule. We point out that all faults which are resulting out of not observing maintenance schedule will not be repaired under warranty.

Ill.43

A shovel arm support is to be put between frame and shovel arm before maintenance works, which are to be done in the area of the shovel arm.

Do not carry out maintenance work near the articulation joint without engaging the articulation lock (ill. 45/arrow).

Secure the vehicle against moving away by means of wedges.

Do the oil-level checks when the loader is in a horizontal position and the shovel arm in the lowest position.

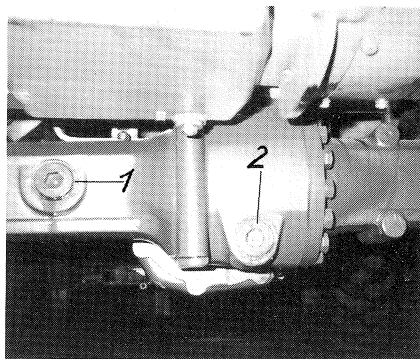
Do the oil change at working temperature of vehicle.

Clean grease nipples before greasing.

Oil from time to time rod links and hinges for which a greasing is not provided.

Oil check in the axles

- (1) Unscrew the plug out of the axle bracket (ill.44/1). The oil level should reach to the plug bore.
- (2) Unscrew the plug out of the planetary gear (ill. 45/arrow). The oil level should reach to the plug bore



Ill. 44

Oil change in the axle

- (1) Unscrew the plug out of the axle center gear (ill.44/2).
- (2) Turn the wheel in such a way that the plug (ill. 45/arrow) comes to the lowest position, unscrew plug.

WARNING!

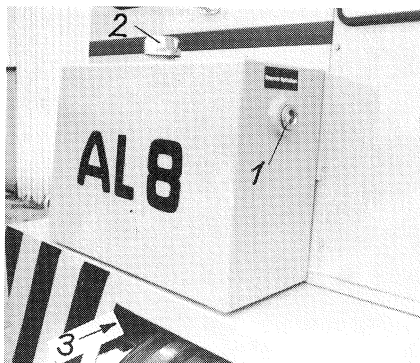
Collect leaking oil.



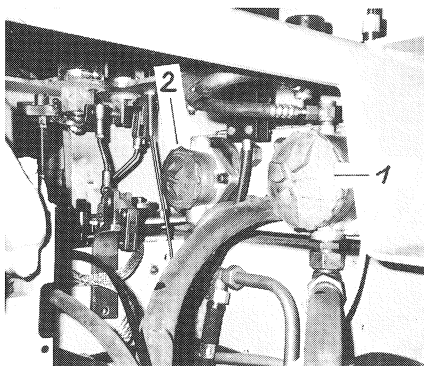
Ill. 45

Hydraulic oil reservoir

Capacity of hydraulic oil reservoir is 75 litres. If the oil level sinks so far that the oil gauge (ill.46/1) is free if the loader is in horizontal position and the shovel arm in lowest position, oil has to be refilled. The filler cap is on top of the hydraulic reservoir (ill.46/2), the drain plug is at the reservoir bottom and can be reached via mudguard space (ill.46/3).



Ill. 46



Ill. 47

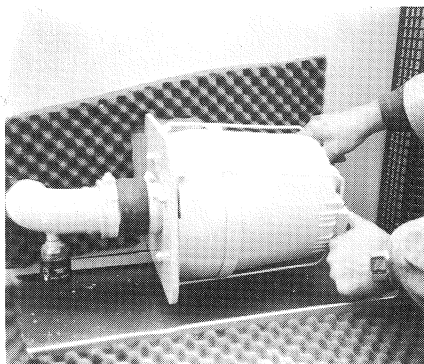
Hydraulic filter

The induction filter (ill.47/1) and the return filter (ill.47/2) are connected to the hydraulic tank and can be reached via the engine compartment.

Unscrew the cap to change the filters. The oil flow in the filters is shut-off automatically during replacing the filters. Smear the seal with oil before inserting a new element.

WARNING!

Collect oil which is running out of filter housing.



Ill. 48

Air filter

(1) Swing out air intake cowl to the side.

(2) Push the filter clamps away to the side (ill.48).

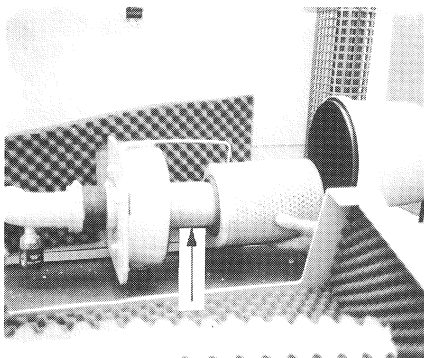
(3) Remove dust collecting pot and filter element (ill.49).

(4) Clean dust collecting pot.

(5) Clean filter element and replace if necessary.

NOTE!

- Don't blow with dry compressed air higher than 5 bars from inside to outside.
- Does the condition indicator show red after maintenance, if so the inner cartridge (ill.49/arrow) has to be replaced.

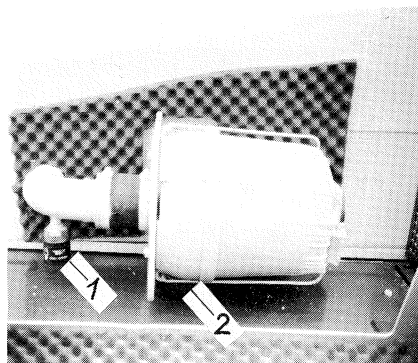


Ill. 49

ATTENTION!

Check that seal is undamaged before installing the filter element. Press the condition indicator button (ill.50/1) till the red warning sign - which shows up when the filter is clogged and needs service - springs back. Check air circulation lead between filter and engine if it is o.k. and replace if necessary.

- (6) Dust outlet valve (ill.50/2) squeeze the dust outlet valve approx. every 10 working hours several times by hand. The valve is accessible through the mud-guard space.



Ill. 50

Brake system

(1) Service brake

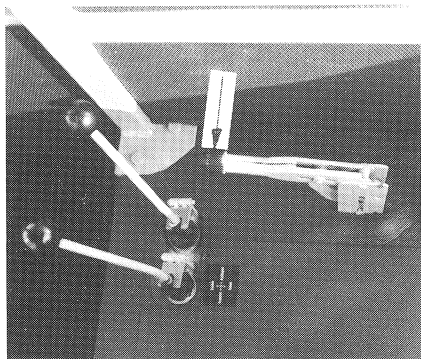
The service brake is maintenance free (hydrostatic transmission). The service brake has to be checked each time before using the loader. The braking retardation is the same forward or backward.

(2) Parking brake

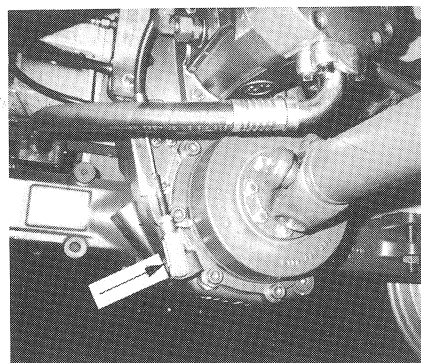
The adjustment of the parking brake will be done at the turning handle of the hand lever (ill.51/arrow).

Adjustment:

- Turn the hand lever in its released position (ill.51).
- Adjust pretension by means of the turning handle.
- The pretension is correctly adjusted if the lever can be turned out of the horizontal position over the point of its self-locking without so much force.
- Make a brake test. The braking efficiency has to be so high that the vehicle will be held back in travelling gear with full throttle.
- Is the adjustment at the turning handle impossible because of a setting way which is too big, the coarse adjustment has to be done at the bracket head of the supplementary gear (ill. 52/arrow).



Ill. 51



Ill. 52

Water filling in tires

The filling of the tires, with prepared mixture, will be done as follows:

1. Turn wheel so that the tire valve is in the highest possible position.
2. Unscrew the valve and insert a connecting nut (ill.53).
3. Screw the filling valve into the nut.
4. Run the fluid into the tire from a raised tank (ill.54).
5. Periodically press air-release knob on the filling valve (ill. 54).
6. Unscrew filling valve, replace the tire valve and pump up the tire with air.
7. Check the filling:

Turn wheel so that the valve is in a horizontal position (ill. 55). Fluid should then run out if the valve is opened.

Mixture: 46 l water
27 l magnesium-chloride

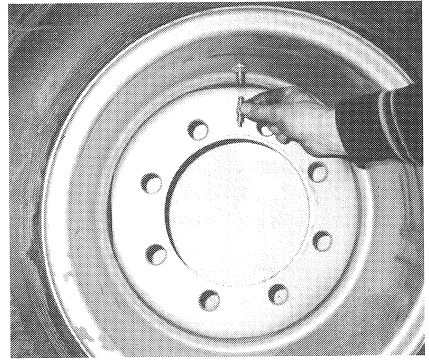
WARNING!

The magnesiumchloride must be added to the water, never the other way round.

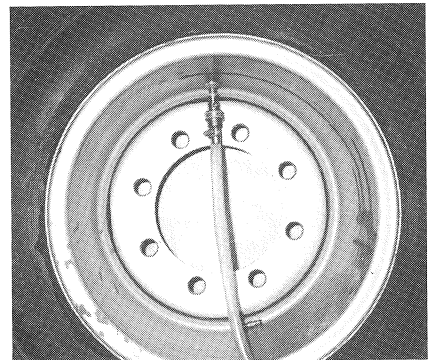
Make sure the solution does not come into contact with eyes, skin or clothing.

NOTE!

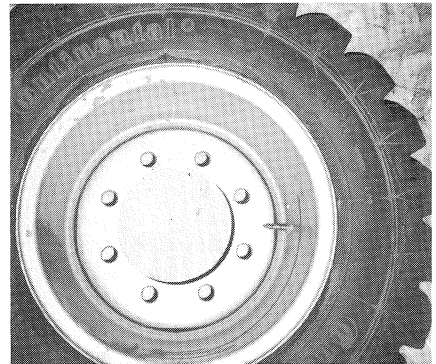
For correct tire pressure acc. to tire size, see page 6.



I11. 53



I11. 54



I11. 55