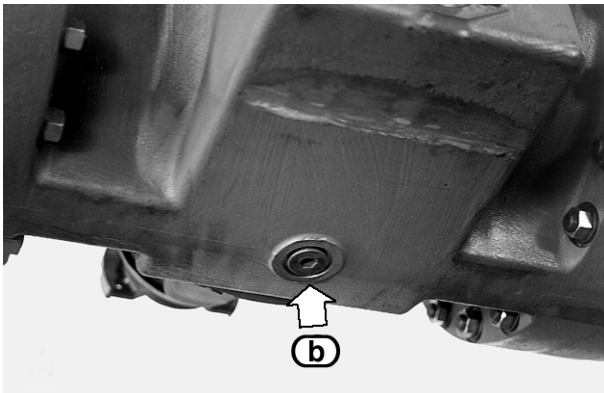
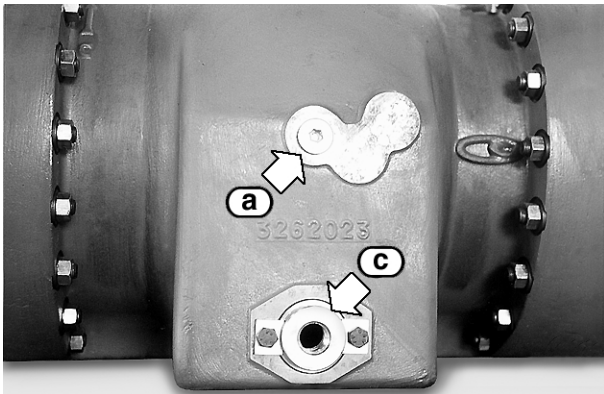
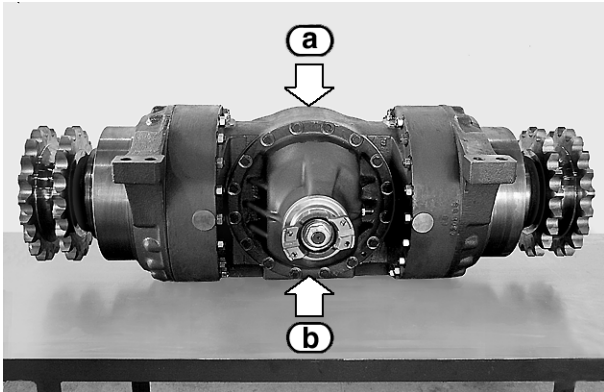


- 1. Differential support
- 2. Limited slip differential assembly
- 3. Filter
- 4. Central housing
- 5. Pressure plate
- 6. Steel disk
- 7. Friction disk
- 8. Brake disk drum
- 9. Planetary gear
- 10. Half-shaft thrust washer
- 11. Shim
- 12. Reduction support assembly
- 13. Sprocket retaining washer

- 14. Adjusting shim
- 15. Sprocket  $z = 20$
- 16. Axle support
- 17. Half-shaft
- 18. Pin
- 19. Ring gear
- 20. Gear
- 21. Brake disks retaining pin
- 22. Piston
- 23. Retaining spring cup
- 24. Pressure plate return spring
- 25. Pin
- 26. Shim

### Oil change procedure



Keep adequate containers corresponding to drain plugs.

- Remove oil filling and level plug (a).
- Remove drain plug (b) and drain the oil.
- Remove the two screws and strainer oil (c).
- Wash and clean by compressed air, replace the O-Ring.
- Fill until oil flows from level hole (a).
- Install the level and filling plug (a), start the engine to circulate the oil.
- After three minutes shutoff the engine and recheck oil level and, if necessary, add oil.
- Install the oil plug (a).

**IMPORTANT: Dispose of used oil in accordance with specific local regulation.**

## **GENERAL INSTRUCTIONS**

### **SHIMS**

*All adjustments shall be carried out after all shims have been selected measuring them one by one with a micrometer gauge and, then, summing up all values measured; do not trust incorrect measurement of pack as a unit or sum of nominal value printed on each shim.*

### **SEALS FOR REVOLVING SHAFTS**

*Proceed as follows for proper fitting of oil seals:*

- ▲ *prior assembly, seals should be soaked, for at least half an hour, in the same oil to be sealed;*
- ▲ *clean thoroughly shaft and make sure that working surface is not damaged;*
- ▲ *position sealing lip against the fluid to be sealed; in case of hydrodynamic lip lines should be oriented so that, considering direction of revolving shaft, they lead fluid inside of sealing means;*
- ▲ *smear sealing lip with a film of lubricant (oil is better than grease) and fill up with grease the space between sealing lip and dust shield lip, if using double sealing lip type seals;*
- ▲ *press seal in relevant position or use a proper fitter with flat contact surface; never use hammer or mallet to mount seal;*
- ▲ *when press fitting seal make sure that it is correctly driven in relevant position, i.e., square with respect to its position, as fitting is completed make sure, if required, that seal itself be in contact with relevant shoulder;*
- ▲ *to prevent damage of seal lip when inserting shaft, protect component during assembly.*

### **O-RING SEALS**

*Lubricate O-RING seals at assembly to prevent twisting that would impair correct sealing.*

### **SEALING COMPOUNDS**

*For matching surfaces use compound LOCTITE 510 or similar one.*

*Clean matching surface as follows prior, smearing compound:*

- ▲ *remove old deposits using a metal brush;*
- ▲ *degrease surfaces by one the following cleaners: trichloroethylene, kerosene or a warm water and soda solution.*

### **BEARINGS**

*When assembling them it is advisable to proceed as follows:*

- ▲ *heat them at 80 to 90 °C (176 to 194 °F) before fitting on relevant shafts;*
- ▲ *cool them before inserting in relevant external position.*

### **SPRING PINS**

*When using spring pins be sure that lengthwise slot be positioned toward stress on pin. Coil pins don't require specific position.*

**IMPORTANT: Dispose of worn and replaced materials has to follow local regulation.**