

3. Maintenance of Bevel-Planetary-Gearboxes Typ LP(H) / LPF(H) / MLP(H) / MLPF(H)

3.1 **Changing the lubricant**

In our bevel planetary gearboxes, we use as standard mineral lubricants. Where synthetic lubricants are used, please refer back to us.

N.B.! Do not mix mineral and synthetic oil grades. The gearbox could be damaged if this is done.

3.2 **Oil change interval**

The first oil change must be carried out after approx. 500 operating hours. Further oil changes are necessary after every 3000 operating hours. Max. 3 years.

3.3 **Procedure**

- # Allow gearbox to warm up
- # Secure drive and machine from unintentional movement or switching on
- # Open drain plug. allow lubricant to drain out through drain hole
- # Close drain plug
- # Remove vent and fill with recommended oil grade to the oil level mark or the centre of the inspection glass
- # Replace vent.

The table below specifies the required oil quantity.

Oil type according to parts list or equivalent oil from other manufacturers, miscibility must be checked.

3.4 **Required oil quantities**

Gearbox size	04	8	16	32	64
Ratio	10 - 42	10 - 42	10 - 42	10 - 42	10 - 42
Oil qty. [Liter]	1,5	2	3,5	6	10

Gearbox size	04	8	16	32	64	128	256
Ratio	60 - 210	60 - 210	60 - 210	60 - 210	60 - 210	60 - 210	60 - 210
Oil qty. [Liter]	0,7	1	2,5	4	7	10	30

N.B.! The volumes stated are approximate values.

The inspection glass or oil dipstick is definitive for the precise oil volume.