

3. Maintenance of Planetary-Gearboxes Typ P(H) / PF(H) / MP(H) / MPF(H)

3.1 Changing the lubricant

In our 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	128	256
Ratio	3,4 - 9	3,4 - 9	3,4 - 9	3,4 - 9	3,4 - 9	3,4 - 9	3,4 - 9
Oil qty. [Liter]	0,3	0,5	1,2	2,2	3,5	5,1	12

Gearbox size	04	8	16	32	64	128	256
Ratio	13,6 - 35	13,6 - 35	13,6 - 35	13,6 - 35	13,6 - 35	13,6 - 35	13,6 - 35
Oil qty. [Liter]	0,35	0,55	1,8	2,6	4,2	5	12

Gearbox size	04	8	16	32	64	128	256
Ratio	46,24-245	46,24-245	46,24-245	46,24-245	46,24-245	46,24-245	46,24-245
Oil qty. [Liter]	0,4	0,6	2	3	4,6	7	14

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

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