

LUBRICATION & MAINTENANCE: NOW LET'S LOOK AFTER IT.

Oil	Operating -20°C to +20°C Ambient -40°C to -15°C	Operating +10°C to +50°C Ambient -15°C to +15°C	Operating +25°C to +60°C Ambient +5°C to +25°C	Operating +40°C to +70°C Ambient +15°C to +30°C	Operating +50°C to +85°C Ambient +30°C to +50°C	Grease
DIN ISO 3448 mm ² /s	10	22	32	46	100	
        	SUMOROL	SUMOROL	SUMOROL CM 32	SUMOROL CM 46	DEGOL CL 100 T	ARALUB
	CM10	CM22	MOTANOL HE 32	MOTANOL HE 46	MOTANOL HE 100	HL2
	ENERGOL	ENERGOL	ENERGOL CS 32	ENERGOL CS 46	ENERGOL CS 100	ENERGREASE
	CS10	CS22	ENERGOL RC-R-32	ENERGOL RC-R 46	ENERGOL RC 100	LS2
	–	–	AIRCOL PD 32	AIRCOL PD 46	AIRCOL PD 100	SPHEEROL MP 2
	SPINESSO 10	SPINESSO 22	TERESSTIC T 32	TERESSTIC T46	NUTO 100	UNIREX N2
	RENOLIN MR3	RENOLIN MR5	RENOLIN MR 10	RENOLIN MR15	RENOLIN MR30	RENOLIT LZR2
	ISOFLEX PDP 38	ISOFLEX PDP 48	LAMORA HLP 32	LAMORA HLP 46	LAMORA 100	POLYLUW WH2 Klübersynth BM 44–42
	VELOCITE No 6	VELOCITE No 10	MOBIL DTE 732	MOBIL DTE 798	MOBIL DTE OIL HEAVY	POLYREX EM
	MORLINA S2 BL 10	MORLINA S2 BL 22	MORLINA S2 B 32	MORLINA S2 B 46	MORLINA S2 B 100	GADUS S2 V100 2
	AZZOLA ZS10	AZZOLA ZS22	AZZOLA ZS 32	AZZOLA ZS46	AZZOLA ZS100	MULTIS 2

Alternatively we strongly recommend the use of multigrade oil SAE 10W-40 at working temperature between 0°C and +80°C.

OIL

The oil lubricated freewheels from this catalog are delivered lubricated with a VG 32 oil viscosity if they are sealed, self-contained units (except ALP..F7D7, GFRN..F5F6 and GFR..F3F4).

Other freewheels are delivered without lubricant, other than a protection against corrosion. Before putting a unit into operation, it is necessary to remove the anti corrosive fluid and to fill the unit with appropriate oil.

Generally, for a horizontally mounted unit, the correct oil level is 1/3 of the internal clutch height unless specified. (For vertically mounted units please contact us). Correct lubricants to use are given in the lubrication chart.

Oils including graphite, molybdenum and EP additives should be avoided. This chart is for guidance only. In the case of low or high overrunning speeds, or limiting temperatures, please contact our technical department.

Initially change the oil after 10 hours of operation. Afterwards change lubricant every 2000 hours and

every 1000 hours in a dirty environment. Oil level and oil condition as well as rotating seals should be checked regularly. For working temperatures below -40°C and above +100°C, please contact us. If grease lubrication is the only option for one of these types, we recommend you contact our technical department for approval.

GREASE

A number of models have been designed specially for grease lubrication as standard (see page 10–11). In this case, the unit will always be delivered lubricated, ready for mounting either in horizontal or vertical position. The grease used is a long life type, with high thermal and chemical stability.

Unless specified, no maintenance is required. To increase the service life of units we recommend to remove, clean, inspect and re-grease them after two years of operation.

Note: Unlike all other designs, sprag types RSCI and DC version-N can work with all the current lubricants used in power transmissions.