











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 +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	46	
        	SUMOROL CM10	SUMOROL CM22	SUMOROL CM 46 MOTANOL HE 46	DEGOL CL 100 T MOTANOL HE 100	ARALUB HL2
	ENERGOL CS10	ENERGOL CS22	ENERGOL CS 46 ENERGOL RC-R 46	ENERGOL CS 100 ENERGOL RC 100	ENERGREASE LS2
	-	-	AIRCOL PD 46	AIRCOL PD 100	SPHEEROL MP 2
	SPINESSO 10	SPINESSO 22	TERESSTIC T46	NUTO 100	UNIREX N2
	RENOLIN MR3	RENOLIN DTA22	RENOLIN DTA46	RENOLIN MR30	RENOLIT LZR2
	ISOFLEX PDP 38	ISOFLEX PDP 48	LAMORA HLP 46	LAMORA 100	POLYLUB WH2 Klübersynth BM 44-42
	VELOCITE No 6	VELOCITE No 10	MOBIL DTE 798	MOBIL DTE OIL HEAVY	POLYREX EM
	MORLINA S2 BL 10	MORLINA S2 BL 22	MORLINA S2 B 46	MORLINA S2 B 100	GADUS S2 V100 2
	AZZOLA ZS10	AZZOLA ZS22	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 RSC1 and DC version-N can work with all the current lubricants used in power transmissions.