

## 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 mm²/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	AIRCOL	AIRCOL	SPHEEROL
	PD 32	PD 46	PD 100	PD 100	PD 100	MP 2
	SPINESSO	SPINESSO	TERESSTIC	TERESSTIC	NUTO	UNIREX
	10	22	T 32	T46	100	N2
	RENOLIN	RENOLIN	RENOLIN	RENOLIN	RENOLIN	RENOLIT
	MR3	MR5	MR 10	MR15	MR30	LZR2
	ISO FLEX	ISO FLEX	LAMORA	LAMORA	LAMORA	POLYLUB WH2
	PDP 38	PDP 48	HLP 32	HLP 46	100	Klübersynth BM 44–42
	VELOCITE	VELOCITE	MOBIL	MOBIL	MOBIL DTE	POLYREX
	No 6	No 10	DTE 732	DTE 798	OIL HEAVY	EM
	MORLINA	MORLINA	MORLINA	MORLINA	MORLINA	GADUS
	S2 BL 10	S2 BL 22	S2 B 32	S2 B 46	S2 B 100	S2 V100 2
	AZZOLA	AZZOLA	AZZOLA	AZZOLA	AZZOLA	MULTIS 2
	ZS10	ZS22	ZS 32	ZS46	ZS100	

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.