

Mabanol Gear CGLP

CGLP Slideway Oils

Application

Mabanol CGLP slideway oils are employed mostly for the lubrication of slideways and guide channels on machine tools. However, Mabanol CGLP range have also given outstanding service in numerous applications in the textile, paper and packaging industry.

Properties

Increasing requirements for machine tolerances and surface quality have resulted in demands for the greatest possible positioning precision with minimal advance rates and feed motions.

In this context, the technical characteristics of Mabanol's slideway oil and slideway components are of high importance. Guideways with epoxy resin and Teflon-based synthetic coatings require slideway oils with special proper-

ties. Mabanol CGLP oils provide a consistent sliding property and offer the greatest possible protection against stick-slip effects (jolt-sliding), especially with minute advance motions and critical approaches. Superb film strength and excellent adhesion are guaranteed – an essential precondition to ensure lubrication in vertical guideways. Compared with water-based cooling lubricants, the Mabanol CGLP range of oils offers the very best in stability – a critical factor in metalworking, where the spraying of slideways with cooling fluids is essential.

Standards

- DIN 51 502-CGLP
- ISO 6743 part 13 GA/GB

Data

Viscosity Classification

	Test method	Unit	32	46	68	100	220
Density at 15°C	DIN 51 757	g/cm ³	0,874	0,878	0,880	0,884	0,894
Kin. Viscosity at 40°C	DIN EN ISO 3104	mm ² /s	32,1	45,8	67,1	102	214
Kin. Viscosity at 100°C	DIN EN ISO 3104	mm ² /s	5,3	6,7	8,5	11,1	17,9
Flash point COC	DIN ISO 2592	°C	216	238	245	264	270
Pourpoint	DIN ISO 3016	°C	-24	-12	-27	-9	-15
Steel corrosion test	DIN 51 585	result	0-B	0-B	0-B	0-B	0-B
Copper corrosion test 3h/125	DIN ISO 2160	result	1	1	1	1	1
FZG test A/8, 3/90	DIN ISO 14635	SKS	12	12	12	12	12

Updated in June 2023

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1999