

Mabanol Gear CLP

Industrial Gear Oils

Application

Mabanol Gear CLP gear oils, available in different viscosity classes, are recommended for a wide array of industrial gear drives. They have proven themselves in operation in numerous transmissions with many different manufacturers. Mabanol Gear CLP industrial gear oils have shown their excellent performance characteristics in a particularly impressive manner in thermally-stressed gear drives and under difficult operating conditions in mining and in the iron and steel industries.

Properties

Mabanol Gear CLP gear oils are zinc-free, mineral oil based industrial gear oils. German base oil yields are used as feedstock for these gear oils. Mabanol Gear CLP oils ensure maximum wear protection as well as protection against corrosion. The industrial gear oils offer ageing and oxidation stability and good thermal stability. The products prevent pitting and are compatible with seals and non-ferrous heavy metals. Furthermore the oils offer excellent demulsifying characteristics and good anti-foam properties.

The requirements for CLP gear oils as described in DIN 51 517 Part 3 and SEB 181226 are met. Many of the requirements of these two standards are exceeded. Demands by various large companies, e.g. the FE 8-test, are also met.

Standards

- ISO 12925 Part 1
- ISO 6743 Part 6 L-CKC
- DIN 51 517 Part 3
- VDEh in accordance with SEB 181 226

Recommended for

- ZF TE-ML 04H (only ISO VG 100/ ISO VG 150)

Data

Viscosity Classification

	Test method	Unit	68	100	150	220	320	460	680
Density at 15°C	DIN 51 757	g/cm ³	0,877	0,881	0,887	0,891	0,893	0,897	0,900
Viscosity at 40°C	DIN EN ISO 3104	mm ² /s	69,0	102	154	223	321	448	686
Viscosity at 100°C	DIN EN ISO 3104	mm ² /s	8,6	11,2	14,5	18,8	23,7	29	38,6
Flash point COC	DIN ISO 2592	°C	235	245	250	285	290	295	300
Pourpoint	DIN ISO 3016	°C	-24	-21	-21	-21	-18	-15	-15
FZG-Test A/16, 6/140	DIN ISO 14 635	SKS	> 12	> 12	> 12	> 12	> 12	> 12	> 12

Updated in December 2021

The above values may vary within the commercial limits.

Customs Tariff No.: 2710 1987