

Mabanol Gear Syn CLP series

Synthetic EP gear oils for industrial use

Application

Mabanol Gear Syn CLP 68, 100, 150, 220, 320 and 460 were developed for the lubrication of modern, highly stressed closed gear drives such as spur gears, worm drives or bevel gears. A substantial extension of the oil drain interval is possible in comparison to mineral oil-based industrial gear oils. Mabanol Gear Syn CLP lubricants are compatible with all seal materials and paints normally specified for use with mineral oils.

Properties

Mabanol Gear Syn CLP 68, 100, 150, 220, 320 and 460 are synthetic industrial gear oils formulated with hydrocracked base oils that are blended with special additives. Mabanol Gear Syn CLP oils are most suitable for lubrication of heavily loaded mechanical gearboxes and bearings subjected to high thermal loads and have a low foaming tendency.

Mabanol Gear Syn CLP 68, 100, 150, 220, 320 and 460 have a natural high viscosity index and excellent high and low temperature properties. The oils also ensure a very good resistance when exposed to high pressure and shock loads. A long service life and a remarkable, apparent reduction of wear are further assets. Mabanol Gear Syn CLP oils provide a good resistance against "micro-pitting" and offer exceptional protection against corrosion and oxidation.

Standards

- DIN 51517 Part 3
- ISO 12925-1 Type CKD

Recommended for

- AIST (US Steel) 224
- AGMA 9005-E02 (EP)
- David Brown S1.53.106
- Flender (VG 220, 320 and 460)

Data

Viscosity Classification

	Unit	68	100	150	220	320	460
Density at 15°C	g/cm ³	0,849	0,852	0,854	0,854	0,858	0,859
Viscosity at 40°C	mm ² /s	68	98,1	150	220	320	460
Viscosity at 100°C	mm ² /s	10,7	14,4	21,3	26,4	35,5	47,4
Viscosity Index		146	152	159	159	162	168
Flash point COC	°C	195	207	209	205	208	201
Pourpoint	°C	-54	-51	-45	-42	-39	-36
Acid number	mgKOH/g	1,10	0,71	0,80	0,61	1,10	0,70

Updated in December 2020

The above values may vary within the commercial limits.

Customs Tariff No.: 3403 9900