

CHAMPION EP GEAR OIL

ISO 46

This is an extreme pressure oil for industrial gears. The paraffinic character of the base oil ensures an excellent course of the viscosity/temperature curve and a high resistance against oxidation and ageing. The favorable property of mineral base oil is further strengthened by the addition of appropriate additives. The high pressure additives based on sulfur and phosphorus compounds form a chemical film on tooth surfaces and as such prevent wear and significantly reduce friction. Special anti-corrosion and anti-foam additives complete the composition of this oil.

APPLICATIONS

This oil is recommended for the lubrication of gearboxes (lubrication by oil bath, oil mist or oil circulation) and it is specifically suitable for heavy loads and high temperature.

FEATURES

Extreme pressure properties: superior EP properties

Anti-wear and oxidation stability: adequate protection of systems

SPECIFICATIONS

AGMA	9005-E02	DIN	51517 CLP
AISE	224	DAVID BROWN	S1.53.101E

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Density at 15°C	ASTM D4052	g/ml	0.880
Kinematic viscosity at 40°C	ASTM D445	mm²/s	44
Kinematic viscosity at 100°C	ASTM D445	mm²/s	6.6
Viscosity index	ASTM D2270		101
A.N. [Colorimetric]	ASTM D974	mg KOH/g	0.38
Pour point	ASTM D6892	°C	-27
Flash Point COC	ASTM D92	°C	224
FZG Gear Test, Fail Stage	DIN 51354		12

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

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