

GRAVIS SP SERIES

High Performance Synthetic Industrial Gear Oil

Description

Petrol Ofisi Gravis SP series are high performance synthetic gear lubricants. They protect gear systems and extend equipment life even under extremely severe service conditions.

Applications

It is recommended particularly for roll bearings operating under elevated temperatures, spur, helical and bevel gears, as well as enclosed gear-boxes containing any type of gear.

Benefits

- They provide a service life of 20.000 hours or four years under average oil temperature of 80 °C.
- Prevents gear surface from scufing, micropitting and gear tooth breaking.
- Extends service life for bearings on gears and in gearboxes.
- Reduces energy consumption and start up corrosion by lowering temperature.
- Ability to operate at both high and low temperatures in a wide range.
- Excellent oxidation resistance due to their synthetic structure.
- Reduces maintenance costs and increases operation efficiency.
- Excellent protection against rust and corrosion even under extreme conditions.
- Usable for any type of gear system due to its high viscosity index.

Performance

DIN 51517-3, AIST 224, AGMA 9005-E02, ANSI, ISO 12925-1 (CKD), Hansen Oil HP1/ HP2/HPP/I4/P4 & M4ACC, FLENDER Revision 16.2, SEB 181226

Typical Specifications*

ISO Viscosity Grade		100	150	220	320	460	680
Density, 15 °C, kg/liter	ASTM D4052	0,850	0,858	0,860	0,862	0,863	0,860
Flash Point, COC, °C	ASTM D92	240	244	250	254	258	264
Viscosity, 40 °C, mm ² /s	ASTM D445	100	150	220	320	460	680
Viscosity, 100 °C, mm ² /s		14,25	19,30	25,40	34,50	46,80	77,50
Viscosity Index	ASTM D2270	146	147	148	152	159	195
Pour Point, °C	ASTM D97	-45	-42	-42	-39	-36	-27

* Values shown may differ between productions.

