

GRAVIS SP-X SERIES

New Technology High Performance Industrial Gear Oil

Description

Petrol Ofisi Gravis SP-X series are new technology 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 scuffing, 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

AIST 224 (US Steel 224) IEC 61400-4, ANSI/AGMA 9005-E02, DIN 51517 Part 3, Flender Revision 15 (approval), Hansen Oil HP1/ HP2/HPP/I4/P4 & M4ACC, ISO 12925-1 (CKD).

Typical Specifications*

ISO Viscosity Grade		150	220	320	460	680
Density, 15 °C, kg/liter	ASTM D4052	0,870	0,880	0,890	0,900	0,900
Flash Point, COC, °C	ASTM D92	245	252	260	262	312
Viscosity, 40 °C, mm²/s	ASTM D445	152	212	318	465	647
Viscosity, 100 °C, mm²/s		21,20	27,60	37,50	50,10	63,90
Viscosity Index	ASTM D2270	164	166	167	170	170
Pour Point, °C	ASTM D97	-39	-36	-33	-30	-27

* Values shown may differ between productions.

