

GRAVIS MP SERIES

High Quality Industrial Gear Oil

Description

Lead-free, enclosed gear system oil that provides protection against scratching under severe loading, micro-pitting and tooth breakage. It successfully passed FLENDER's two-year oxidation resistance performance tests for 10,000 hours under 80 °C.

Applications

It is recommended to use in applications that require Flender AG specifications to provide resistance against scratching of the surfaces of the mating gears during the slipping-rolling motion, micro-pitting and cracking. It can be used in all kind of gearbox designs, including worm gear sets.

Benefits

- Prevents scratching, micro-pitting and tooth breakage on the gear.
- It meets min 12 in FZG spur gear testing and min 70 lb Timken load value.
- Prevents formation of sludge and deposit, keeps the systems clean.
- Provides protection due to high film resistance.
- Features high degree of oxidation stability ensures long service life.
- Reduces the maintenance costs, promotes the operation efficiency.
- Protects the system against rust and corrosion.
- Used in all kinds of gear system due to their wide range of viscosity.
- Reduces wear during cold start.
- Suits wide range of packing materials.
- Provides highest protection in the presence of water.
- Features high performance in marine applications and the corrosive environment.

Performance

AGMA 9005-E02, AIST 224, David Brown S1.53.101 E, DIN 51517 Part 3, Flender Revision 15 (approval), SEB 181226

Typical Specifications*

ISO Viscosity Grade		150	220	320	460
Density, 15 °C, kg/liter	ASTM D4052	0,896	0,898	0,901	0,902
Flash Point COC, °C	ASTM D92	260	270	282	290
Viscosity, 40 °C, mm ² /s	ASTM D445	150	220	320	460
Viscosity, 100 °C, mm ² /s		14,65	18,90	23,90	30,10
Viscosity Index	ASTM D2270	96	96	95	94
Pour Point, °C	ASTM D97	-21	-18	-12	-9

* Values shown may differ between productions.

