

# GRAVIS M SERIES

## Industrial Gear Oil

### Description

It is a high-quality industrial gearbox oil featuring excellent load carrying capacity.

### Applications

It is designed to use in all types of enclosed gearboxes. It is recommended mainly for cement, iron and steel industries, where severe and impact loads are encountered. It is used in gear systems of rolling stands, piling machines, cranes, excavators, conveyors, machine tools and elevators.

### Benefits

- Exhibits high thermal stability at elevated temperatures.
- Prevents residue and deposit formation without foaming.
- Protects gear systems for long period of time by providing high oil film resistance.
- Ensures elongated service life, due to its resistance to oxidation.
- Reduces maintenance costs, improves operational efficiency.
- Prevents gears against rusting and corrosion.
- Used in all kind of gear systems, due to its suitability with wide range of viscosity.
- Maintains its lubrication function by preventing adverse effects of the water in industrial applications, such as gearboxes used in rolling mills and paper mills etc.
- Reduces cold start wear and metal aging.
- Prevents formation of residue and deposits and maintains its chemical integrity, due to its high thermal stability.

### Performance

AGMA 9005-E02, AIST 224, David Brown S1.53.101, DIN 51517 Part 3, FAG FE-8

### Typical Specifications\*

ISO Viscosity Grade		68	100	150	220	320	460	680	1000	1500
Density, 15 °C, kg/liter	ASTM D4052	0,884	0,888	0,893	0,897	0,900	0,902	0,913	0,909	0,911
Flash Point COC, °C	ASTM D92	>220	>250	>250	>250	>250	>250	>250	>250	>250
Viscosity, 40 °C, mm <sup>2</sup> /s	ASTM D445	68	100	150	220	320	460	680	1000	1500
Viscosity, 100 °C, mm <sup>2</sup> /s		8,65	11,25	14,65	18,90	23,95	30,40	39,50	52,8	74,81
Viscosity Index	ASTM D2270	>90	>90	>90	>90	>90	>90	>90	>90	>90
Pour Point, °C	ASTM D97	-24	-24	-21	-18	-12	-12	-9	-6	-6

\* Values shown may differ between productions.



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