

GEAR OM

"EXTREME PRESSURE" MINERAL OIL FOR GEARING.

GEAR OM is an extreme pressure oil for industrial gears. The paraffinic character of the base oil ensures an excellent course of the viscosity/temperature and a high resistance against oxidation and ageing. These favorable properties of natural base oils are 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 prevents wear and a noticeable reduction in friction. Special anti-corrosion and anti-foam additives complete the composition of these oils.

Viscosity classes: 46, 68, 100, 150, 220, 320, 460, 680 and 1000.

The product meets the following specifications:

- DIN CLP (volgens DIN 51517 deel 3)
- AGMA 9005-E02
- DAVID BROWN S1.53.101 E
- AISE 224

ADVANTAGES :

- Limits the wear formation.
- Resistance against deposits.
- Resistance against heavy loads and high temperatures.
- Long lifetime.
- Protection against corrosion.

APPLICATIONS :

GEAR OM is recommended for the lubrication of gearboxes (lubrication by oil bath, oil mist or oil circulation) and is especially suitable for heavy loads and high temperature.

TYPICAL CHARACTERISTICS:

Test	Method	Unity	Average result				
ISO-grade			46	68	100	150	220
Density at 15°C	D 4052	kg / m ³	880	881	885	890	897
Viscosity at 40°C	D 445	cSt	44	72	94	152	228
Viscosity at 100°C	D 445	cSt	6,6	9,2	10,6	14,5	19,4
Viscosity index	D 2270		101	103	95	93	97
Pour point	D 6892	°C	-27	-24	-24	-24	-21
Flash point COC	D 92	°C	224	225	235	240	245
FZG A/16,6/140	DIN 51354	Level	12	12	12	12	12
TAN	D 974	g KOH/kg	0,38	0,38	0,38	0,38	0,38

Test	Method	Unity	Average result			
ISO-grade			320	460	680	1000
Density at 15°C	D 4052	kg / m ³	900	905	923	925
Viscosity at 40°C	D 445	cSt	330	434	675	975
Viscosity at 100°C	D 445	cSt	24,2	27,6	36	42,4
Viscosity index	D 2270		94	88	86	78
Pour point	D 6892	°C	-21	-18	-9	-2
Flash point COC	D 92	°C	255	260	262	265
FZG A/16,6/140	DIN 51354	Level	12	12	12	12
TAN	D 974	g KOH/kg	0,38	0,38	0,38	0,38

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