

4405 Synthetic Heavy Duty Industrial Gear Oil (PAG Based)

4405 synthetic heavy duty industrial gear oil (PAG based) is blended with synthetic base oil and compounding additives of extreme pressure and anti-wear and so on. It has outstanding viscosity-temperature performance and good extreme pressure and anti-wear characteristics, meeting lubrication requirements of various moderate/low speed moderate duty industrial gears. The product comprises several grades such as 46, 68, 150, 220, 460 and 680 according to its kinematic viscosity at 40°C.

Advantages

- ⊙ Outstanding viscosity-temperature performance
- ⊙ Outstanding low temperature fluidity, ensuring normal operation of equipment in low temperature condition
- ⊙ Outstanding thermal resistance stability, preventing oil from damage in high temperature condition
- ⊙ Good extreme pressure and anti-wear performance, reducing wear of equipment
- ⊙ Neither coke nor deposit after durative application in high temperature condition
- ⊙ Increasing efficiency, reducing power consumption, lowering wear, prolonging service life and oil drain interval compared to mineral type gear oil, reducing repair costs and energy consumption

Performance

The product meets the following specifications:

- ⊙ Q/SH303 171-2004
- ⊙ Technical recognition by Tianjin LG-DAGU Chemical Industry Co., Ltd.
- ⊙ Suitable for lubrication of various moderate/low speed moderate duty closed industrial gears, worm gears and sliding/rolling bearings in industries such as metallurgy, construction material, petroleum, petrochemical, chemical engineering, machining and so on
- ⊙ Applied temperature range: -30°C~150°C for grade 46 and 460; -25°C~150°C for grade 680

Typical properties

Items	4405 synthetic heavy duty industrial gear oil (PAG based)					
	Grade 46	Grade 68	Grade 150	Grade 220	Grade 460	Grade 680
Appearance	Transparent liquid of yellow to red brown					
Kinematic viscosity (40°C), mm ² /s	46.2	68.7	152.6	221.3	467.2	686.5
Viscosity index	174	175	190	204	220	235
Flash point (COC), °C	240	242	248	252	264	269
Pour point, °C, not higher than	-48	-48	-47	-42	-39	-39
Copper corrosion (100°C, 3h), level	1b					

Precautions

- ⊙ Use seals made of NBR within 100°C and those of FKM or silicon rubber when temperature lasts high
- ⊙ Use epoxy resin or MPFR coating if industrial paint is not acceptable. Use oil level of glass or PA material