

4405 Synthetic Medium Duty Industrial Gear Oil

SINOPEC 4405 synthetic medium duty industrial gear oil is blended with synthetic base oil and plural highly refined additives such as extreme pressure agent, anti-wearing agent and so on.

Advantages

- ⊙ Outstanding viscosity-temperature property
- ⊙ Outstanding low temperature fluidity, ensuring normal operation of equipment in low temperature condition
- ⊙ Outstanding heat resistance stability, preventing oil from damage in high temperature condition
- ⊙ Good extreme pressure and anti-wear properties, reducing wear of equipment
- ⊙ Neither coke nor deposit after durative application in high temperature condition

Performance Specification

The product meets the following specifications:

- ⊙ Q/SH PRD235—2008

Applications

- ⊙ Suitable for lubrication of various medium/low speed medium duty close type industrial gears, worm gears, sliding/rolling bearings increasing efficiency, reducing power consumption, lowering wear, prolonging service life and oil drainage compared to mineral type gear oil, reducing repair costs and energy consumption
- ⊙ Applied temperature range: -30℃~150℃ for No.46~No.460; -25℃~150℃ for No.680

Typical Properties

Items	4405 synthetic medium duty industrial gear oil					
	46	68	150	220	460	680
Appearance	Transparent liquid of yellow to red brown					
Kinematic viscosity (40℃), 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 (open), ℃	240	242	248	252	264	269
Pour point, ℃ ≤	-48	-48	-47	-42	-39	-39
Corrosion (100℃, 3hrs), level	1b					

Technical Certification

- ⊙ Technical recognition of Tianjin LG-DAGU Chemical Industry Co., Ltd

Similar Foreign Products

- ⊙ Performs as good as SG-XT, Pont.s, Tivela, Total Carter EP, GR-XP, Kluber syntheso HT series

Application Examples

- ⊙ It is proved reliable by more than 10 years experience in metallurgy, building material, petroleum, petrochemistry, chemical engineering and machining, drastically reducing oil consumption for customers
- ⊙ It has been used to lubricating worm gear of gearbox of an elevator in a large mall located in Chongqing, China, for 2 years when the elevator worked stable and normal
- ⊙ A chemical company located in Tianjin, China, applied this product instead of several other imported oil for reduction box of German Roots blower with speed of 3000rpm and working temperature of 110℃ ~ 120℃. And it is recognized by foreign experts for its outstanding stability and lubricity after 6months continuous monitor, resolving problems like fast deterioration of oil quality and poor lubricity

Special Attentions

- ⊙ Clean the lubricating system when first use. Do not mix with other lubricant resulting in performance reduction due to possible physical or chemical reactions between different oil
- ⊙ Close the cap in time after each use, keeping moisture, dust away
- ⊙ Use seals made of NBR with in 100℃ and those of FKM or silicon rubber when temperature lasts high
- ⊙ Use EP resin or MPFR coating if industrial paint is not acceptable. Use oil level of glass or PA material

Packing

- ⊙ To be packed with 3.5kg plastic drum, 16kg/200L iron barrel or as required by customer