

## 4406 Synthetic Heavy Duty Industrial Gear Oil

SINOPEC 4406 synthetic heavy 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 startup and operation of gearbox 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 gearbox
- ⊙ Neither coke nor deposit after durative application in high temperature condition

### Performance Specification

The product meets the following specifications:

- ⊙ Q/SH303 172—2004

### Applications

- ⊙ Suitable for lubrication of various medium/low speed heavy duty close type industrial 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 #100~#460; -25℃~150℃ for #680~#1000

### Typical Properties

Items	4406 synthetic heavy duty industrial gear oil				
	100	220	320	680	1000
Appearance	Transparent liquid of yellow to red brown				
Kinematic viscosity (40℃), mm <sup>2</sup> /s	101.5	225.3	330.5	696.5	1058.6
Viscosity index	188	210	215	238	250
Flash point (open), ℃	245	251	255	265	277
Pour point, ℃ ≤	-45	-42	-40	-39	-32
Corrosion (100℃, 3hrs), level	2b				

### Similar Foreign Products

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

## Application Examples

- ① A cement group which owns a dry-method cement production line with capacity of 5000T per day has applied this product since the first operation day to thoroughly resolve starting problem of large reduction box in winter, enabling the box starts with small resistance and less wear in winter by its good adhesiveness to gear face
- ① A power plant in Xinjiang and a power company in Inner Mongolia apply this product for gearbox of coal mill instead of Mobil Glygoyle series successfully
- ① This product has also been used in reduction box of imported filling equipment of a beer company for ten years with excellent performance
- ① Successfully applied on several imported or domestic large sized heavy duty reduction boxes and gear-type couplings

## Special Attentions

- ① 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
- ① Close the cap in time after each use, keeping moisture, dust away
- ① Use seals made of NBR within 100℃ and those of FKM or silicon rubber when temperature lasts high
- ① Use EP resin or MPFR coating if industrial paint is not acceptable. Use oil level of glass or PA material

## Packing

- ① To be packed with 3.5kg plastic drum, 16kg/200L iron barrel or as required by customer