

## SH 5000 Series Heavy Duty Industrial Gear Oil

SINOPEC SH 5000 series heavy duty industrial gear oil is blended with special synthetic oil and plural multi-functional quality additives.

### Advantages

- ⊙ Good heat oxidation stability, prolonging service life much more than common mineral oil
- ⊙ Excellent hydrolytic stability and anti-emulsion property, separating moisture inside gearbox effectively so as to protect the equipment better
- ⊙ Excellent viscosity-temperature property, especially suitable for lubricating gears working in wide temperature range
- ⊙ Low friction coefficient, reducing energy consumption of gear face during operation and heat due to friction resulting in high temperature of oil, ensuring normal lubrication of gear
- ⊙ Excellent lubricity, enabling lubrication of gearbox under various conditions, prolonging service life

### Applications

- ⊙ Suitable for all close type gear transmission devices, especially those gears working under severe conditions such as low speed, heavy duty and shock load
- ⊙ Applied temperature range: -40℃ ~ 120℃, and 150℃ for short period of time

### Typical Properties

Items	SH 5000 series heavy duty industrial gear oil			
	SH 5150	SH 5220	SH 5320	SH 5460
Kinematic viscosity (40℃), mm <sup>2</sup> /s	143.4	231.9	326.6	464.6
Viscosity index	148	153	159	162
Pour point, ℃	-48	-47	-43	-35
Flash point (open), ℃	246	246	253	255
Liquid phase rust test	Rustless	Rustless	Rustless	Rustless
Copper corrosion, level	1b	1b	1b	1b
Four-ball machine test				
Sintering load, N	3087	3087	3087	3920
Comprehensive wear index, N	640.2	642.5	645.5	687.8
Diameter of wear spot, mm	0.30	0.30	0.31	0.29

## Similar Foreign Products

- ⊙ As good as Mobil SHC 600, Mobilgear SHC, Shell Omala HD, BP Enersyn HTX in gear transmission

## Application Examples

- ⊙ A cement group applied this product for all dry-method cement production lines with capacity of 5000T per day, and the result is quite satisfactory
- ⊙ An aluminum group replaced this product with Mobil SHC600 series synthetic hydrocarbon gear oil successfully for key large retardation equipment
- ⊙ A Waterway Bureau applied this product on large dredging boats instead of Shell Omala HD synthetic hydrocarbon gear oil successfully

## Special Attentions

- ⊙ Do not mix with other oils.
- ⊙ Keep moisture and debris away during transportation and storage

## Packing

- ⊙ To be packed with 4L plastic drum, 200L iron barrels or as required by customer