

Fully Synthetic Heavy Duty Industrial Gear Oil

Fully synthetic heavy duty industrial gear oil is blended with synthetic type (PAO type) base oil with super high viscosity index and super level multi-functional additive by internationally advanced process. Its performance reaches world level.

Even in severe conditions, it demonstrates outstanding performance unmatched for the mineral type oil. The product comprises several grades such as 150, 220 and 320 according to its kinematic viscosity at 40°C.

Advantages

- ⊙ Outstanding carrying ability and anti-wear performance, prolonging service life of equipment
- ⊙ Outstanding anti-corrosion and anti-rust performance, effectively inhibiting occurrence of corrosion and wear on parts
- ⊙ Excellent detergency, more suitable for lubrication of high-precision equipment
- ⊙ Outstanding high/low temperature performance, providing overall protection for equipment in severe conditions

Performance

The product meets the following specifications:

- ⊙ Q/SH PRD151-2008
- ⊙ ISO 6743-6 L-CKT
- ⊙ AIST (US Steel) No.224
- ⊙ AGMA 9005-E02 S type

Applications

- ⊙ Suitable for various heavy duty industrial gear units and other gears likely to cause vibration load, and suitable for both in circulation system and splash lubrication system
- ⊙ Suitable for lubrication, mainly boundary lubrication of gears, in conditions of heavy duty, shock load or low speed
- ⊙ Suitable for lubrication of closed gearboxes under extreme temperature conditions, ensuring startup and operation of gear unit in extremely low temperature conditions
- ⊙ Suitable for some gearbox unit of long oil drain interval, especially for those with inconvenient drain conditions, or those not requiring special lubrication

Typical properties

Items	Fully synthetic heavy duty industrial gear oil	
ISO viscosity grade	220	320
Kinematic viscosity (100°C), mm ² /s	25.38	33.68
Kinematic viscosity (40°C), mm ² /s	219.3	318.6
Viscosity index	147	149
Flash point (COC), °C	248	252
Pour point, °C	-48	-42