

PN Kingve PAG Gear Oil

Product reference: GYYY-12

PAG gear lubricant offered in viscosity grades 150, 220, 320, 460 and 680.

PN Kingve PAG Gear Oil

Product name

PN Kingve PAG Gear Oil

Viscosity grade

150, 220, 320, 460, 680

Standard and specification references

DIN 51517 Part 3, Siemens (Flender) T 7300 A+B

ISO 12925-1 CKPG, CSPG and CTPG

David Brown Type G Lubricant

Product overview

PetroNexus Kingve PAG is a series of high-performance synthetic industrial gear oils offering outstanding lubrication and load-carrying capacity under severe operating conditions, including shock loads. These products are formulated from water-soluble polyalkylene glycol (PAG) base oils that provide excellent micropitting resistance, thermal stability, low-temperature fluidity, extreme-pressure performance and oxidation resistance. The combination of very-high-viscosity-index base oils and high-performance additive technology delivers excellent thermal and oxidation stability, scuffing protection and micropitting resistance over a broad operating-temperature range.

Performance

1. Outstanding load-carrying capacity and micropitting resistance protect gears against scuffing and wear, extending equipment service life and reducing maintenance costs.
2. Excellent thermal and oxidation stability improves system cleanliness and extends maintenance intervals.
3. Excellent rust and corrosion resistance supports trouble-free equipment operation.
4. Good compatibility with most seals and paints.
5. Good high-temperature oxidation stability helps reduce deposit formation, improve system cleanliness and extend drain intervals.

Applications

- ISO VG 150–680 grades meet Siemens (Flender) T7300 A+B specifications and are suitable for Flender helical, bevel, worm and planetary gear reducers.
- ISO VG 320 was developed specifically for lubrication of wind-turbine gearboxes manufactured by Hansen, Flender, Rexroth, FAG and others, in equipment for which premium lubricants of this type are recommended.
- Heavy-duty enclosed industrial gearboxes operating under severe conditions, including high loads, extreme temperatures and broad temperature ranges.
- Bearings and circulating systems exposed to high temperatures.

Packaging

170 kg drums; 1-tonne IBC containers.

Unsuitable applications

- PAG polyether oils have poor miscibility with mineral oils and PAO synthetic oils; direct mixing is strictly prohibited. They dissolve in large quantities of water and are not recommended where severe water ingress occurs. Not suitable for direct food-contact applications.

For grade selection, technical requirements, packaging and commercial terms, contact sales@petronexusgroup.com.

Product visual and technical data



PETRONEXUS
POWERING INDUSTRY WORLDWIDE

Kaiwei PAG Series

High-Performance Synthetic Industrial Gear Oil

SYNTHETIC LUBRICATION FOR A MORE RELIABLE TOMORROW

RELIABLE LUBRICATION STRONGER INDUSTRY

PRODUCT OVERVIEW

ISO Viscosity Grades:
150 / 220 / 320 / 460 / 680

Product Type:
Water-Soluble Polyalkylene Glycol (PAG)-Based Synthetic Gear Oil

Kaiwei PAG Series is a high-performance synthetic industrial gear oil formulated with PAG base oil, designed to provide reliable lubrication and protection for heavy-duty gearboxes and demanding industrial applications.

KEY PERFORMANCE BENEFITS

- Excellent Load-Carrying Capacity and Micropitting Resistance
- Outstanding Thermal and Oxidation Stability
- Excellent Rust and Corrosion Protection
- Good Compatibility with Most Sealing Materials and Paint Coatings
- Excellent High-Temperature Oxidation Stability

PRODUCT DESCRIPTION

Kaiwei PAG Series is a water-soluble polyalkylene glycol (PAG)-based synthetic gear oil, specially developed for heavy-load industrial gear applications. It provides excellent load-carrying capacity, thermal and oxidation stability, rust and corrosion protection, and reliable lubrication performance, helping to extend equipment life and ensure stable operation in demanding industrial environments.

PROFESSIONAL LUBRICATION FOR LASTING PERFORMANCE

APPLICATIONS FLENDER INDUSTRIAL GEARBOXES

Suitable for industrial gearboxes requiring **Siemens/FLENDER T 7300 A+B** lubricant performance requirements, with **ISO VG 150-680**. (Subject to verification of applicable specifications.)

APPLICATIONS WIND TURBINE GEARBOXES

Especially suitable for wind turbine gearbox applications, particularly **ISO VG 320**, providing reliable lubrication for demanding wind power operating conditions.

APPLICATIONS INDUSTRIAL GEARBOXES & CIRCULATING SYSTEMS

Suitable for heavy-duty enclosed industrial gearboxes and high-temperature bearing / circulating lubrication systems in various industrial applications.

Typical Data

ISO Viscosity Grade		150	220	320	460	680
Test Item	Test Method	Typical Data				
Kinematic Viscosity @40°C, cSt	ASTM D445	159	230	330	470	690
Viscosity Index	ASTM D2270	230	235	245	252	263
Pour Point, °C	ASTM D92	>290	>290	>290	>290	>290
Flash Point, °C	ASTM D97	-42	-42	-39	-36	-36
Density @20°C, kg/l	ASTM D1298	1.054	1.058	1.062	1.065	1.070
FZG Failure Load Stage, not less than	ISO 14635-1	>14	>14	>14	>14	>14

The above data are typical values of the current product. Data for each batch may vary within the allowable range of the quality standard. For more data, please contact your sales representative.

PACKAGING & GLOBAL SUPPLY

GLOBAL LUBRICATION SOLUTIONS FOR A STRONGER TOMORROW



Available Packaging: 170 kg Drums / IBC Containers

Reliable synthetic gear-oil solutions for global industrial applications.