

PetroNexus Kingve HP Gear Oil

Product reference: GYYY-09

Industrial gear lubricant with viscosity options from grade 68 to grade 680.

PetroNexus Kingve HP Gear Oil

Product name

PetroNexus Kingve HP Gear Oil

Viscosity / grade

68, 100, 150, 220, 320, 460, 680

Standard references

DIN 51517 Part 3

ISO 12925-1 Type CKC/CKD

AGMA 9005 E-02

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US Steel 224

GB 5903-2011

Product overview

PetroNexus Kingve HP is a high-performance industrial extreme-pressure gear oil series designed to lubricate heavily loaded industrial gears operating under severe conditions. It is blended from high-quality base oils and a sulfur-phosphorus extreme-pressure additive system to provide excellent load-carrying capacity and antiwear protection under shock loading. Good high-temperature oxidation stability effectively resists deposit formation and oil thickening at elevated temperatures. It also offers excellent water separation and antifoam properties.

Performance features

1. Outstanding load-carrying capacity protects gears against scuffing and wear, extends equipment service life and reduces maintenance costs.
2. Good high-temperature oxidation stability helps reduce deposits, improves system cleanliness and extends oil-drain intervals.
3. Excellent demulsibility supports trouble-free operation even when water contamination or humid conditions are encountered.
4. Good rust and corrosion protection provides effective, reliable protection for gearbox components.

Applications

- Widely used for industrial spur, helical and bevel gears, and steel-on-steel worm gears.
- Lubrication of heavily loaded enclosed industrial gears operating under heavy or shock loads and requiring extreme-pressure performance.
- Lubrication of journal and rolling-element bearings under low-speed, heavy-load conditions.
- Suitable for splash, spray and circulating lubrication systems.

- Marine gear lubrication.

Packaging

170 kg drums; IBC containers

Unsuitable applications

- Not suitable for copper-alloy worm gears: sulfur-phosphorus additives can corrode copper components; copper-alloy worm gears require an ashless gear oil. Do not use in equipment involving direct food contact or as engine oil.

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

Product visual and technical data



PETRONEXUS

Kaiwei HP Series

High-Performance Industrial Extreme Pressure Gear Oil

Reliable Protection for Heavy-Duty Gear Systems

 EXTREME PRESSURE
  THERMAL STABILITY
  WATER SEPARATION
  RUST & CORROSION PROTECTION



PETRONEXUS

170 kg Drums

IBC Containers

PRODUCT PERFORMANCE

Engineered for Demanding Applications

-  Outstanding Load-Carrying Capacity
-  Good High-Temperature Oxidation Stability
-  Excellent Demulsibility and Water Separation Performance
-  Reliable Rust and Corrosion Protection

PRODUCT DESCRIPTION

Kaiwei HP Series is a range of high-performance industrial extreme pressure (EP) gear oils specifically developed for the lubrication of heavily loaded industrial gears operating under severe service conditions.

Formulated with high-quality base oils and a sulfur-phosphorus extreme pressure additive system, the series delivers outstanding load-carrying capacity and excellent anti-wear protection, particularly under heavy and shock-loading conditions.

Featuring good high-temperature oxidation stability, excellent demulsibility, and reliable rust and corrosion protection, Kaiwei HP Series provides dependable lubrication and protection for industrial gear systems operating under demanding conditions.

TYPICAL DATA

Test Item	Test Method	Typical Data						
		68	100	150	220	320	460	680
Kinematic Viscosity @40°C, cSt	ASTM D445	68.2	100.2	148.7	218.8	315.4	461.3	682
Viscosity Index	ASTM D2270	98	97	97	96	94	93	91
Flash Point, °C	ASTM D92	224	230	240	242	246	252	256
Pour Point, °C	ASTM D97	-24	-22	-22	-18	-15	-15	-9
Density @20°C, kg/l	ASTM D1298	0.870	0.873	0.880	0.887	0.893	0.899	0.909
Copper Strip Corrosion, 3 h @ 100°C	ASTM D130	1a	1a	1a	1a	1a	1a	1a
FZG Failure Load Stage, not less than	DIN 51354 Part II	>12	>12	>12	>12	>12	>12	>12

The above data are typical values of the current product. Data from future production batches may vary within the allowable range of quality standards. For more information, please contact your sales representative.

APPLICATIONS

- Industrial Gear Systems
- Heavy-Duty Enclosed Gear Drives
- Industrial Bearings
- Industrial Gear Lubrication Systems
- Marine Gear Applications

PACKAGING OPTIONS




POWERING INDUSTRY FOR A STRONGER TOMORROW

RELIABLE LUBRICATION. LASTING PERFORMANCE.



PETRONEXUS

INDUSTRIAL LUBRICATION FOR A BRIGHTER TOMORROW

PEOPLE | INDUSTRY | ENVIRONMENT

PEOPLE SAFETY OPERATIONAL RELIABILITY A CLEANER ENVIRONMENT

Powering a Better Tomorrow