

PN Kingve OG Open Gear Oil

Product reference: GYYY-14

Open gear lubricant offered in viscosity grades 150, 220, 320, 460, 700 and 1400.

PN Kingve OG Open Gear Oil

Product name

PN Kingve OG Open Gear Oil

Viscosity grade

150, 220, 320, 460, 700, 1400

Standard reference

Q/0502VTK0601-2020

Product overview

PetroNexus Kingve OG is an exceptionally high-performance, high-viscosity synthetic open-gear oil designed for heavily loaded, low-speed open gears that frequently operate under boundary-lubrication conditions. These products are formulated with synthetic base oils and retain outstanding low-temperature properties despite their very high viscosity. They can be pumped over long distances and used with standard spray-lubrication systems. High-viscosity-index base oils combined with an additive system provide excellent thermal and oxidation performance and outstanding lubrication of very slow-moving gears at both high and low operating temperatures. The additive formulation also provides effective gear-wear protection and antiwear performance, together with rust and corrosion inhibition. Kingve OG is an advanced synthetic product, rather than a conventional residual lubricant. It contains no solvents or asphaltic base stocks.

Performance

1. Good flow properties make application convenient and provide effective lubrication across the surfaces of large, slow-moving gears.
2. Thick-film formation and selected additives deliver outstanding load-carrying capacity, antiwear protection and adhesion, helping extend gear life, reduce downtime, and lower maintenance and replacement-part costs.
3. Excellent pumpability at ambient temperature helps reduce pump-replacement costs.
4. Existing lubricant-spray equipment can be used, keeping the cost of switching from asphaltic semifluid grease products low.
5. Lower application rates than greases and less waste oil than asphaltic or solvent-containing products help reduce lubricant consumption and disposal costs.
6. Contains no solids or asphaltic resins and does not form hard deposits at gear-tooth roots, reducing downtime and maintenance costs.
7. The light color helps avoid expensive cleaning before gear inspections.
8. Contains no solvents, helping avoid potential safety problems associated with volatile, low-flash-point solvents.
9. Thick-film formation and selected additives provide outstanding load-carrying capacity, antiwear protection and adhesion.

Applications

- Rotary kilns and mills in metal mining, cement and limestone production, and sugar mills.
- Low-speed, heavily loaded plain bearings and rolling-contact bearings.
- Conversion from asphaltic lubricants or greases to Kingve OG is straightforward and requires no modification to lubricant-spray equipment. Thorough cleaning of the gears is recommended to take full advantage of the light color of these synthetic products.

Packaging

170 kg drums; 1-tonne IBC containers.

Unsuitable applications

- Not suitable for enclosed gearboxes; this product is designed specifically for open gears. Not suitable for extremely high-impact, heavily loaded applications requiring solid extreme-pressure fillers. Do not mix directly with asphaltic residual lubricants; thorough gear cleaning is recommended before changeover.

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

Product visual and technical data

PETRONEXUS | POWERING INDUSTRY WORLDWIDE

KAIWEI OG SERIES

HIGH-PERFORMANCE SYNTHETIC OPEN GEAR OIL

RELIABLE LUBRICATION FOR TOUGH APPLICATIONS IN A MORE PRODUCTIVE TOMORROW

BUILT FOR HEAVY INDUSTRY AROUND THE WORLD



PRODUCT OVERVIEW

Viscosity Grades: 150 / 220 / 320 / 460 / 700 / 1400

Product Type: **High-Viscosity Synthetic Open Gear Lubricant**

Kaiwei OG Series is a high-performance synthetic open gear lubricant, formulated to provide reliable lubrication, protection and long service life for large open gears operating under severe conditions.

TRUSTED LUBRICATION FOR A STRONGER TOMORROW



KEY PERFORMANCE BENEFITS

- Excellent fluidity and ease of application
- Thick lubricating film formation
- Outstanding pumpability at ambient temperatures
- Lower lubricant consumption compared with conventional greases
- Solid-free and asphalt-free formulation for reduced gear root deposits
- Light-colored formulation for easier gear inspection
- Solvent-free formulation for enhanced operational safety
- Exceptional load-carrying capacity, anti-wear protection, and adhesion



EXCELLENT FLUIDITY & PUMPABILITY

Optimized fluidity and outstanding pumpability ensure easy application through centralized lubrication systems, providing reliable coverage on large open gears.

EASY APPLICATION
RELIABLE OPERATION



STRONG PROTECTION UNDER HEAVY LOADS

Forms a thick and tenacious lubricating film to deliver excellent load-carrying capacity, anti-wear protection and adhesion, even under severe operating conditions.

PROTECTION THAT KEEPS INDUSTRY MOVING



CLEAN OPERATION EASY INSPECTION

Solid-free and asphalt-free formulation helps reduce gear root deposits. Light-colored formulation makes visual inspection easier. Solvent-free for enhanced operational safety.

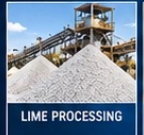
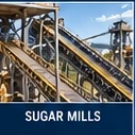
CLEAN GEARS
HIGHER RELIABILITY



APPLICATIONS

WIDELY USED IN HEAVY INDUSTRY OPEN GEAR APPLICATIONS




SUITABLE FOR CONVERSION FROM ASPHALTIC LUBRICANTS OR CONVENTIONAL GREASES. CLEAN GEAR SURFACES BEFORE CONVERSION TO ACHIEVE OPTIMAL PERFORMANCE.

PACKAGING & GLOBAL SUPPLY

RELIABLE SOLUTIONS FOR A STRONGER TOMORROW

170 kg Drums

IBC Containers

Reliable packaging options for global supply and industrial applications.



Typical Data

ISO Viscosity Grade		150	220	320	460	700	1400
Test Item	Test Method	Typical Data					
Kinematic Viscosity @40°C, cSt	ASTM D445	2367.33	3433.81	5630.8	8174.59	12966.89	35700
Kinematic Viscosity @100°C, cSt	ASTM D445	147.96	230.14	326.8	468.21	706.58	1375
Viscosity Index	ASTM D2270	162	194	200	219	239	245
Flash Point, °C	ASTM D92	252	252	255	255	258	258
Pour Point, °C	ASTM D97	-12	-11	-10	-10	-9	-9
Density @20°C, kg/l	ASTM D1298	0.876	0.874	0.872	0.870	0.868	0.866
Copper Strip Corrosion, 3 h @ 100°C	ASTM D130	1b	1b	1b	1b	1b	1b

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 information, please contact your sales representative.