

PetroNexus Kingve WG Worm Gear Oil

Product reference: GYYY-13

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

PetroNexus Kingve WG Worm Gear Oil

Product name

PetroNexus Kingve WG Worm Gear Oil

Viscosity / grade

220, 320, 460, 680

Standard references

SH T0094-1991 L-CKE/P.

Product overview

PetroNexus Kingve WG Worm Gear Oil is carefully blended from high-viscosity-index mineral base oils and a range of high-quality additives. It lubricates worm-reduction drives and other gear-transmission units.

Performance features

1. An oiliness-additive formulation specifically designed for worm-gear drives improves transmission efficiency.
2. Extreme-pressure and antiwear properties reduce wear of worm-gear pairs under severe conditions, including shock loading.
3. Oxidation stability and a balanced additive system reduce harmful effects on steel, copper and sealing materials.
4. Provides rust and corrosion protection for non-ferrous metals.

Applications

- Suitable for lubricating enclosed worm-gear drives, such as geared traction machines for passenger and freight elevators.
- L-CKE/P worm gear oil is particularly suitable for heavily loaded copper-steel worm-reduction units subjected to shock loads, and for lubricating gears, bearings and other equipment components.

Packaging

170 kg drums; IBC containers

Unsuitable applications

- Not suitable for prolonged high-temperature or extremely high-temperature service. Do not substitute it for sulfur-phosphorus extreme-pressure gear oil in heavily loaded all-steel gearboxes. Do not mix indiscriminately with gear oils containing sulfur-phosphorus extreme-pressure additives.

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

Product visual and technical data



PETRONEXUS

Kaiwei WG Series Worm Gear Oil

Reliable Lubrication for a More Productive Industry

DRIVE EFFICIENCY
POWER TOMORROW



Mineral Oil-Based Industrial Worm Gear Lubricant

Viscosity Grades
220 / 320 / 460 / 680

Available Packaging
170 kg Drums / IBC Containers

TRUSTED LUBRICATION FOR A STRONGER TOMORROW

KEY PERFORMANCE BENEFITS*

PETRONEXUS

-  **Enhanced Transmission Efficiency for Worm Gear Drives**
Smooth operation, higher efficiency
-  **Excellent Extreme Pressure and Anti-Wear Protection**
Reliable protection under heavy loads
-  **Good Oxidation Stability**
Longer oil life, consistent performance
-  **Effective Rust and Corrosion Protection for Non-Ferrous Metals**
Protects bronze and other copper-alloy components

SMOOTH TRANSMISSION HIGHER EFFICIENCY

Formulated for worm gear drives to help improve transmission efficiency and ensure smooth, reliable operation in industrial applications.



SMOOTHER DRIVES
HIGHER EFFICIENCY
LONGER SERVICE LIFE

EXTREME PRESSURE ANTI-WEAR PROTECTION

Strong load-carrying capability and excellent anti-wear performance to protect worm gears, bearings, and associated components under severe operating conditions.



HEAVY LOADS
TOUGH CONDITIONS
RELIABLE PROTECTION

OXIDATION STABILITY CORROSION PROTECTION

Good oxidation stability ensures longer oil life, while effective rust and corrosion protection safeguards non-ferrous metals such as bronze and other copper alloys.



CLEANER OPERATION
BETTER PROTECTION
LONGER EQUIPMENT LIFE

TYPICAL APPLICATIONS

-  **Enclosed Worm Gear Drives**
Suitable for enclosed worm gear transmissions and reducers, including geared traction machines used in passenger and freight elevators.
-  **Heavy-Duty Worm Gear Reducers**
The L-CKE/P worm gear oil grade is particularly suitable for heavily loaded worm gear reducers with bronze-on-steel or other compatible copper-alloy/steel gear combinations operating under shock-loading conditions.
-  **Industrial Gears and Bearings**
Suitable for the lubrication of compatible gears, bearings, and associated mechanical components in industrial transmission equipment where worm gear oil of the specified viscosity and performance characteristics is recommended.

AVAILABLE PACKAGING



170 kg Drums / IBC Containers

FLEXIBLE SUPPLY FOR GLOBAL INDUSTRY

 STABLE SUPPLY  CONSISTENT QUALITY  YOUR PARTNER IN PROGRESS

TECHNICAL DATA

PETRONEXUS

ISO Viscosity Grade		220	320	460	680
Test Item	Test Method	Typical Data			
Kinematic Viscosity @40°C, cSt	ASTM D445	219.5	321.6	462.8	678.4
Viscosity Index	ASTM D2270	96	94	93	93
Density @20°C, kg/L	ASTM D1298	0.887	0.891	0.893	0.893
Flash Point, °C	ASTM D92	242	246	252	256
Pour Point, °C	ASTM D97	-18	-15	-15	-9
Copper Strip Corrosion, 3h @ 100°C	ASTM D130	Pass			
FZG Failure Load Stage, min.	DIN 51354 Part II	>12	>12	>12	>12

The above data are typical values for the current product. Future batch data may vary within the allowable quality standard range. Contact your sales representative for more data.

Kaiwei WG Series Worm Gear Oil

PROVEN LUBRICATION.
RELIABLE PROTECTION.
FOR A MORE PRODUCTIVE TOMORROW

Powering Industry Forward