

PetroNexus Vandeg LG Slideway Oil

Product reference: GYYY-29

Slideway lubricant offered in viscosity grades 32, 68 and 220.

PetroNexus Vandeg LG Slideway Oil

Product name

PetroNexus Vandeg LG Slideway Oil

Viscosity / grade

32, 68, 220

Standard references

GM LS-2

FIVES CINCINNATI (Former MAG IAS, LLC)

Product overview

PetroNexus Vandeg LG is a premium slideway oil series developed for modern high-efficiency machine-tool slideways. High-quality base oils and additives provide excellent antiwear and extreme-pressure performance, low friction, adhesion, filterability and water separation. It offers outstanding resistance to oil degradation and effectively inhibits rust on machine-tool surfaces even in the presence of water-based cutting fluids. It is particularly suited to slideway lubrication at low speeds and under heavy loads, effectively reducing stick-slip and improving surface finish and workpiece dimensional accuracy.

Performance features

1. Low-friction properties reduce chatter and slideway stick-slip, improving surface finish and workpiece dimensional accuracy.
2. Excellent demulsibility enables rapid separation from water-soluble cutting fluids, extends cutting-fluid life and reduces fluid-change and waste-treatment costs.
3. Outstanding metal wetting and adhesion resist lubricant wash-off from critical surfaces and harmful effects from high-pH coolants.
4. Good filterability allows easier passage through filters and reduces stick-slip, chatter and wear.
5. Excellent antiwear and extreme-pressure properties protect slideways, gears, bearings and hydraulic-system components.
6. Excellent rust and corrosion protection even when contaminated by water-based cutting fluids.
7. Outstanding thermal and oxidation stability keeps slideway surfaces clean and resists oil degradation, extending lubricant service life.

Applications

- Slides and guideways on lathes, planers, grinders and milling machines.
- PetroNexus Vandeg LG Slideway Oil 32 and 68 are suitable for horizontal slideways and the guideways of small and medium-sized machine tools.
- PetroNexus Vandeg LG Slideway Oil 220 is recommended for large machine tools, particularly those

operating at higher guideway pressures, and for vertical and inclined slides and guideways.

Packaging

170 kg drums; IBC containers

Unsuitable applications

- Do not use in internal-combustion engines. Do not use as a dedicated gear oil for extremely heavily loaded gears. Not suitable for food-contact processing applications; the product has no food-grade certification.

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

Product visual and technical data



PETRONEXUS

Wandega LG Series
High-Performance
Machine Tool Slideway Oil

Premium Machine Tool
Slideway Lubricant

Viscosity Grades
32 / 68 / 220

- Low Friction
- Anti-Wear Protection
- Corrosion Protection
- Stable Operation

KEEP MACHINES MOVING A BETTER TOMORROW

PRODUCT PERFORMANCE

- Excellent Low-Friction Characteristics
- Superior Demulsibility and Water Separation Performance
- Outstanding Metal-Wetting and Adhesion Properties
- Good Filterability
- Excellent Anti-Wear and Extreme Pressure Protection
- Superior Rust and Corrosion Protection
- Outstanding Thermal and Oxidation Stability

PRECISION GUIDEWAY LUBRICATION FOR MODERN MACHINE TOOLS

- Smooth Motion
- Lower Wear
- Longer Service Life

HIGHER PRECISION.
GREATER PRODUCTIVITY.

PRODUCT DESCRIPTION

Wandega LG Series is a premium machine tool slideway lubricant developed for modern machine tool guideways. It is formulated with high-quality base oils and selected additives to provide low-friction behavior, excellent metal wetting and adhesion, reliable anti-wear and extreme pressure protection, good demulsibility and filterability, superior rust and corrosion protection, and outstanding thermal and oxidation stability.

Wandega LG Series is suitable for horizontal, vertical, and inclined slideways, depending on grade, and is designed to help ensure smooth and accurate machine tool operation.

TRUSTED LUBRICATION
FOR A MORE PRODUCTIVE WORLD.

ADVANCED LUBRICATION FOR ACCURATE MOTION

Consistent Performance
for Higher Productivity

- Low Friction
- Oil Film Retention
- Wear Protection
- Stable Performance

APPLICATIONS



Machine tool slideways and guideways in lathes, planers, grinding machines, milling machines, and other compatible machine tools.



LG 32 / LG 68

For horizontal slideways and small to medium-sized machine tools.



LG 220

For large machine tools, heavily loaded guideways, and vertical/inclined slideways.

TYPICAL DATA

ISO Viscosity Grade		32	68	220
Test Item	Test Method	Typical Data		
Kinematic Viscosity @40°C, cSt	ASTM D445	31.2	67.6	215.5
Viscosity Index	ASTM D2270	100	99	96
Flash Point, °C	ASTM D92	202	218	256
Pour Point, °C	ASTM D97	-21	-15	-9
Density @20°C, kg/l	ASTM D1298	0.868	0.879	0.892

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

AVAILABLE PACKAGING



170 kg Drums



IBC Containers

FLEXIBLE SUPPLY FOR GLOBAL MARKETS



PETRONEXUS

LUBRICATION SOLUTIONS FOR INDUSTRIAL EFFICIENCY

POWERING A MORE PRODUCTIVE TOMORROW

- Industry
- Efficiency
- Reliability
- Global Support

PETRONEXUS
MOVES INDUSTRY FORWARD