MOLYKOTE® L-2110, L-2115, L-2122, L-2132, L-2146, L-2168 Synthetic Gear Oils

Fully synthetic gear oils for highly demanding conditions

Features

- Excellent thermal and oxidative stability
- Superior gear load-carrying ability
- High mechanical shear resistance
- Good resistance to water washout
- Improved lubrication of gearbox bearings
- Available in ISO viscosity grades from ISO VG 100 to 680

Benefits

- Excellent protection against micropitting
- Long equipment life
- Longer oil-drain intervals
- Reduced energy consumption
- Wider temperature range
- Lower overall maintenance cost
- Compatible with mineral-oil-based gear oils
- Does not contain lead or lead compounds

Composition

- Polyalphaolefin (PAO) base oil
- Sulfur-phosphorous EP additive
- Corrosion inhibitor

Applications

Industrial gear units requiring an extreme pressure type of oil. Formulated to meet or exceed requirements of industrial equipment such as spur gears, helical gears, bevel gears, and planetary gears. Designed to address severe conditions where micropitting is a concern.

Description

MOLYKOTE® L-2110, L-2115, L-2122, L-2132, L-2146, and L-2168 Synthetic Gear Oils are high-performance industrial fully synthetic gear oils, designed to provide optimum performance in highly demanding applications. The products offer superior rust and corrosion inhibition and protection against micropitting. They provide excellent compatibility with internal coatings used in gearboxes.

The proven additive technology used in these products meets or exceeds the following standards:

- Flender
- DIN 51 517 Part 3
- ANSI/AGMA 9005
- U.S. Steel 224
- Cincinnati Millicron
- David Browne SL.53.101

How to use

To ensure the longest possible lifespan for lubricating fluids, sample analysis is recommended. When utilized on a regular basis, sample analysis can track normal aging and depletion of antioxidants in lubricating fluids. Moreover, sample analysis can identify abnormal contamination that may be limiting lubricant life.

Handling precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION.

Usable life and storage

When stored in the original unopened containers, these products have a usable life of 60 months from the date of production.

Packaging

These products are available in 18.9 liter pails and 208 liter drums.

Typical properties[1]

Specification writers: These values are not intended for use in preparing specifications. Please contact your local MOLYKOTE® sales representative prior to writing specifications on this product.

	Standard[1] & test								
Product	ASTM D445 Viscosity @ 40°C, cSt.	ASTM D445 Viscosity @ 100°C, cSt.	ASTM D2270 Viscosity index	ASTM D92 Flash point, °C	ASTM D97 Pour point, °C	ASTM D1298 Density @ 15°C, kg/m³	ISO 3733 Water content, ppm	ASTM D1401 Demulsibility, ml/ml/ml (min)	DIN 51 354-2 FZG: A/8.3/90
MOLYKOTE® L-2110 Synthetic Gear Oil - ISO VG 100	107	13.7	130	238	< -50	0.840	< 500	40/40/0 (10)	> 12
MOLYKOTE® L-2115 Synthetic Gear Oil - ISO VG 150	162	18.2	128	238	< -43	0.845	< 500	40/40/0 (10)	> 12
MOLYKOTE® L-2122 Synthetic Gear Oil - ISO VG 220	224	24.4	136	238	< -40	0.851	< 500	40/40/0 (10)	> 12
MOLYKOTE® L-2132 Synthetic Gear Oil - ISO VG 320	320	33.0	123	227	< -37	0.855	< 500	40/40/0 (10)	> 12
MOLYKOTE® L-2146 Synthetic Gear Oil - ISO VG 460	467	38.8	122	232	< -35	0.859	< 500	40/40/0 (10)	> 12
MOLYKOTE® L-2168 Synthetic Gear Oil - ISO VG 680	683	61.1	122	221	< -32	0.864	< 500	40/40/0 (10)	> 12

[1]ASTM: American Society for Testing and Materials. ISO: International Standardization Organization. DIN: Deutsche Industrie Norm.

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