

JAX PERMA-GEAR SYNTHETIC GEAR OILS

HIGH TEMPERATURE, PAG SYNTHETIC E.P. INDUSTRIAL GEAR OILS



PRODUCT DESCRIPTION

JAX Perma-Gear Synthetic Gear Oils are state-of-the-art fluids that incorporate the latest developments in 100% synthetic industrial lubrication technology to provide outstanding performance in demanding applications. Due to the inherent properties associated with polyalkylene glycol base fluids, these lubricants exhibit extremely high viscosity indices and improved lubricity, providing energy savings in gearbox applications.

PRODUCT BENEFITS

- **Extremely High Viscosity Indices**—The naturally high viscosity indices, low pour points, and lack of paraffins (wax) make these lubricants ideal for use in wide operating temperature ranges. At low operating temperatures, equipment starts easier, is not starved of lubrication from channeling and product solidification, and the need for sump heaters is reduced or eliminated. At higher operating temperatures, Perma-Gear Synthetic Gear Oils maintain an optimal lubricating film between parts, reducing wear and decreasing unwanted downtime.
- **Improved Lubricity** – The inherent properties of PAG base fluids improves metal wetting and lubricity properties when compared to traditional petroleum fluids. Not only does the metal wetting assure an effective lubricant film, it also provides the lubricity properties which are extremely important in lubricating the sliding worm gear surfaces in worm drive gear cases, where the sliding action of industrial worm gears and extended period of tooth engagement make it difficult to maintain a lubricant film.
- **Increased Drain Intervals** – Formulated using the latest developments in additive technologies, Perma-Gear Synthetic Gear Oils can increase drain intervals 3 to 4 times over traditional petroleum-based fluids.

APPLICATION

The additives used to provide antiwear, E.P. performance and corrosion protection are the latest developments in synthetic lubrication technology. As a result, JAX Perma-Gear Synthetic Gear Oils can be used in gearbox applications too severe for conventional mineral oil-based lubricants. The superior operating characteristics provide reduced operating temperatures, reduced friction, and very minimal gear wear. High film strength offers excellent lubricity for spur, helical, spiral, bevel, planetary and, particularly, worm gear applications. Statistically measurable energy reductions of 3-5% are not uncommon.

COMPATIBILITY

Talk to your JAX representative for detailed recommendations and specific change-over procedures for converting your industrial gearboxes over to these high-performance, energy-saving synthetic lubricants.

Note: For gearboxes subject to excessive or high water contamination, we recommend JAX Syngear Industrial Gear Oils or JAX Synax EP Gear Oils.



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PERFORMANCE FEATURES AND BENEFITS

- Extremely High Viscosity Indices
- Unaffected by High Shear Rates
- Excellent High-Temp Oxidation Resistance
- Improved Frictional Characteristics
- Reduced Operating Temperatures
- Increased Drain Intervals
- Extended Equipment Life
- Reduced Energy Consumption

CONTAINER SIZE	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680
2000 Pound Tote - 276	PMGRL-276	PMGRM-276	PMGRN-276	PMGRP-276	PMGRQ-276	PMGRR-680
400 Pound Drum - 400	PMGRL-400	PMGRM-400	PMGRN-400	PMGRP-400	PMGRQ-400	PMGRR-400
120 Pound Keg - 120	PMGRL-120	PMGRM-120	PMGRN-120	PMGRP-120	PMGRQ-120	PMGRR-120
35 Pound Pail - 035	PMGRL-035	PMGRM-035	PMGRN-035	PMGRP-035	PMGRQ-035	PMGRR-035
4-1 Gallon Case - 004	PMGRL-004	PMGRM-004	PMGRN-004	PMGRP-004	PMGRQ-004	PMGRR-004



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GEAR LUBES