

ChevronTexaco TEGRA® ISO 680 Synthetic Gear Lubricant

Category : Fluid , Lubricant

Material Notes:

FeaturesChevron Tegra Synthetic Gear Lubricants are superior quality industrial EP gear lubricants. The most advanced formulation has been selected to provide superior load carrying and antiwear properties; protection against rust, corrosion, foaming, and oxidation; and excellent demulsibility. This results in outstanding performance in most types of industrial gearboxes, exemplified by the FZG pass stage results of >12. These products possess very high shear stability even under heavily loaded, high speed conditions in industrial gears. The low pour point and very good low temperature fluidity of Chevron Tegra Synthetic Gear Lubricants impart improved lubrication during startup at sub-zero temperatures, while their superior viscositytemperature characteristics provide dependable lubrication at high temperatures. A unique property of the synthetic base oil is a low traction coefficient, resulting in improved gear efficiency, energy savings, less friction, less wear, and lower operating temperatures compared to conventional mineral oil products. Due to the very high viscosity index, these products provide a much higher oil viscosity at operating temperature than a mineral oil product of the same ISO grade. This results in increased oil film thickness and better antiwear protection for both bearings and gears. Drain intervals can be extended longer than conventional mineral oil products. That means fewer oil changes, reduced maintenance costs, and less used oil disposal.

ApplicationsChevron Tegra Synthetic Gear Lubricants are recommended for all types of enclosed industrial gearboxes, especially those running continuously at temperatures up to 107°C(225°F) or exposed to very cold temperatures as low as -46°C(-50°F), or under severe service conditions, such as heavy loads or low speeds. These products also provide excellent protection for bearings operating under similar conditions. They can be problem-solvers for applications where mineral oil products deteriorate too rapidly or lead to premature failures. Chevron Tegra Synthetic Gear Lubricants meet the requirements of: U.S. Steel 224AGMA 9005 and qualify as AGMA EP gear lubricants major gear manufacturers – Falk, Hedcon, Santasalo, and Sumitomo Chevron Tegra Synthetic Gear Lubricants meet the requirements of Cincinnati Machine P-35 (ISO 460), P-59 (ISO 320), P-74 (ISO 220), P-77 (ISO 150). Chevron Tegra Synthetic Gear Lubricants meet the requirements (discontinued in 1998) of the U.S. Department of Agriculture (USDA) for use in federally inspected meat and poultry plants as H2 lubricants with no food contact.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ChevronTexaco-TEGRA-ISO-680-Synthetic-Gear-Lubricant.php

Physical Properties	Metric	English	Comments
API Gravity	32.1 °	32.1 °	
Viscosity Measurement	168	168	Viscosity Index; ASTM D2270
Saybolt Viscosity at 100°F	3366 SUS	3366 SUS	
Saybolt Viscosity at 210°F	304 SUS	304 SUS	
Kinematic Viscosity at 40°C (104°F)	646 cSt	646 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	63 cSt	63 cSt	ASTM D445

Mechanical Properties	Metric	English	Comments
Timken Test	38500 g	85.0 lb	

Thermal Properties	Metric	English	Comments
Pour Point	-30.0 °C	-22.0 °F	ASTM D97
Flash Point	242 °C	468 °F	ASTM D92

Descriptive Properties	Value	Comments
FZG Gear Wear Test, Failure Load Stage	>12	
Rust Prevention, ASTM D665	Pass	

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