

ChevronTexaco TEGRA® Synthetic Barrier Fluid

Category : Fluid , Lubricant

Material Notes:

Features Chevron Tegra Synthetic Barrier Fluid is formulated to perform as a barrier fluid in dual mechanical seals. Manufactured from the highest quality polyalphaolefin base fluids, it provides protection against wear, oxidation, rust and corrosion, and foaming. It has a low viscosity and excellent friction reducing ability. The fluid provides excellent low temperature fluidity and high temperature stability for performance over a wide temperature range. Its light viscosity, high viscosity index, and friction reducing ability reduces high face wear and high operating face temperatures that can lead to blistering of carbon seal faces. Chevron Tegra Synthetic Barrier Fluid's excellent oxidation stability, rust protection and foam inhibition provides protection to the seal under extreme conditions or in corrosive environments. Applications Chevron Tegra Synthetic Barrier Fluid is designed to meet the needs of a barrier fluid for dual mechanical seals per API Standard 682, Shaft Sealing Systems for Centrifugal and Rotary Pumps. Dual mechanical seals are used to control emissions of volatile air pollutants from industrial equipment. Leading seal manufacturers recommend the use of low viscosity synthetic fluids for extended seal life of API Standard 682 dual mechanical seals. Chevron Tegra Synthetic Barrier Fluid is compatible with a wide range of process liquids and does not contain impurities that could lead to catalyst poisoning should it enter the process stream. seal elastomers, including Buna N, nitrile, Neoprene, polyacrylate, fluorosilicone, Hypalon®, and fluoro-carbon. It has a low Volatile Organic Compound (VOC) level, so that the barrier fluid itself will not be the source of volatile air pollutants in higher temperature applications. Use of Chevron Tegra Synthetic Barrier Fluid will provide very stable seal performance over a wide temperature range. Chevron Tegra Synthetic Barrier Fluid extends the life of the dual mechanical seal by reducing the operating face temperature and surface wear.

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http://www.lookpolymers.com/polymer_ChevronTexaco-TEGRA-Synthetic-Barrier-Fluid.php

Physical Properties	Metric	English	Comments
API Gravity	40.9 °	40.9 °	
Viscosity Measurement	127	127	Viscosity Index; ASTM D2270
Saybolt Viscosity at 100°F	91.5 SUS	91.5 SUS	
Saybolt Viscosity at 210°F	39.5 SUS	39.5 SUS	
Kinematic Viscosity at 40°C (104°F)	17.1 cSt	17.1 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	3.9 cSt	3.9 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-73.0 °C	-99.4 °F	ASTM D97
Flash Point	228 °C	442 °F	ASTM D92

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