

ChevronTexaco HD Soluble Oil

Category : Fluid , Lubricant

Material Notes:

FeaturesChevron Soluble Oils are used broadly in machine shops as multifunctional cutting fluids. They are primarily designed to cool and lubricate the contact point of the tool and the work piece.Chevron Soluble Oils:prevent rusting or corrosion of the machined Metalscontrol the growth of bacteria – which is a constant problem in soluble oil circulating systems due to outside contaminationminimize surface foamspeed the release of entrained air which could cause pump cavitationThese are extremely versatile fluids designed to meet many of the situations encountered in the metalworking industry. Chevron Soluble Oils are an emulsifying oil that readily mix with water, forming a homogeneous and exceptionally stable emulsion. They are used in the machining of both ferrous and nonferrous metals, particularly when cutting with carbon or high speed steel or tungsten carbide tools. They contain an effective biocide that combats bacterial growth, rancidity, and odor in machine sumps.**Applications**Chevron Soluble Oils are recommended for all metals (except magnesium) where maximum cooling is desired – particularly when cutting with carbon, high speed steel, or tungsten carbide tools.Chevron Soluble Oils are used extensively in milling, drilling, gear cutting, turning, planing, shaping, sawing, and grinding operations.Chevron Soluble Oils are typically diluted in water/oil ratios ranging from 10:1 to 50:1. See the Chevron Soluble Oil Mixing Recommendations chart for the proper water/oil ratio for each application.Always add oil to water to avoid forming sticky invert emulsions that do not emulsify properly in water. Chevron Soluble Oils are suitable for use in automotive cooling systems to prevent rust and corrosion. A mixture of 40:1 is most often used. However, always follow engine manufacturers' recommendations. It is preferable to mix radiator water and oil in a separate container. Additions to the radiator should be made from this container. As with any other "additives", the radiator should be drained and flushed occasionally, since evaporation and leakage cause proportions to change. Do not recommend Chevron Soluble Oils emulsion for magnesium. Hot magnesium is a fire hazard when it contacts water. The preferred recommendation is Chevron Utility Oil LVI ISO 22.Emulsions of soluble metalworking fluids and water may become contaminated with harmful microorganisms such as bacteria and fungus, which can cause illness and infection. This can occur even in emulsions with fluids that initially contain some biocide because the biocide can be depleted during service. A metalworking fluid maintenance program should be followed in order to control this hazard. Such a program may require the use of biocides.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ChevronTexaco-HD-Soluble-Oil.php

Physical Properties	Metric	English	Comments
API Gravity	18.3 °	18.3 °	
Saybolt Viscosity at 100°F	350 SUS	350 SUS	
Saybolt Viscosity at 210°F	49.9 SUS	49.9 SUS	
Kinematic Viscosity at 40°C (104°F)	66.6 cSt	66.6 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	7.1 cSt	7.1 cSt	ASTM D445

Thermal Properties	Metric	English	Comments
Pour Point	-33.0 °C	-27.4 °F	ASTM D97

Flash Point Thermal Properties	171 °C Metric	340 °F English	ASTM D92 Comments
Component Elements Properties	Metric	English	Comments
Sulfur, S	2.9 %	2.9 %	

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