POLESTAR

نجم القطب

Polestar Worldwide General Trading LLC

Group III Base oil 4cST

Group III base oils are highly refined mineral oils obtained through a process called hydrocracking, which significantly enhances their purity and performance characteristics. These oils provide superior lubrication and stability, making them a preferred choice in various applications.

Advantages

Group III base oils offer several benefits over traditional mineral oils. They possess a higher viscosity index, lower volatility, and enhanced oxidative stability, resulting in improved engine performance and longevity. Additionally, their favorable low-temperature properties ensure better fluidity in cold conditions, which is crucial for engine efficiency.

Physical Characteristics	Unit	Method	Specifications
Appearance	-	ASTM D4176	Bright & clear
Kinematic Viscosity @ 100°C	Mm/s	ASTM D445	4.2-4.4
Kinematic Viscosity at 40°C	Mm/s	ASTM D 445	Report
Viscosity Index	-	ASTM D 2270	Min 127
Pour Point	C	ASTM D 5949	Max -18
Flash Point (COC)	C	ASTM D 92	Min 220
Evaporation Loss, NOACK method	% M/M	ASTM D 5800	Max 12.0
Apparent Viscosity by CCS at 30°C	mPas	ASTM D 5293	Max 1500
Sulfur	Mg/kg	ASTM D 2622	Max 10
Water	Mg/kg	ASTM D 6304	Max 50
Color, Saybolt	-	ASTM D 156	Min +26
Density at 15C	g/ml	ASTM D 4052	Report
Copper Corrosion, 3hrs at 100°C	-	ASTM D 130	Report
Acid Number	mgKOH/g	ASTM D 664	Report
Carbon Residue	% (m/m)	ASTM D 4530	Report
Saturates	Mass %	ASTM D 7419	Report
Aromatics	Mass %	ASTM D 7419	Report

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Applications

These base oils are widely used in the formulation of high-performance motor oils, industrial lubricants, and greases. They are particularly favored in automotive applications, as they meet the stringent requirements of modern engines, including those utilizing synthetic blends. Furthermore, Group III oils are used in hydraulic fluids and compressor oils, making them versatile across various sectors.

Packaging

1. Flex tanks
2. Iso-Tanks
3. New or Used steel drums.
4. Bulk by Tankers

Storage

Keep the container closed. Handle containers with care. Open slowly to control possible pressure release. Store in a cool, well-ventilated area. Storage containers should be earthed and bonded. Fixed storage containers, transfer containers, and associated equipment should be earthed and connected to prevent the accumulation of static charge.

Comments

The specifications as mentioned above may vary depending on the origin and batch. For updated specifications related to your order, please don't hesitate to contact a sales representative at Polestar Worldwide General Trading LLC.

PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet (“SDS”) contains essential environmental, health, and safety information concerning its handling and storage. The most current version of the SDS for this product can be obtained by contacting a representative of Polestar Worldwide General Trading LLC.

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