

Technical Data Sheet

Base Oil 8cSt

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

Base Oil 8cSt is a high-performance Group III base oil known for its excellent oxidation stability, low sulfur content, high viscosity index, and superior low-temperature fluidity. This base oil is often used as a blending component in various industrial and automotive lubricants and functional fluids. Additionally, it serves as an effective viscosity index improver for lower viscosity base oils. Its enhanced thermal and oxidation stability provides increased engine protection and helps increase lubricant life. It has a viscosity of approximately 7.6-8.2 cSt at 100°C.

Applications

- Textile and cutting oils
- Lubricant formulations for turbines
- Engine oils, heat pumps, heat exchangers, and hydraulic fluids
- Blending component to enhance the viscosity index of other base oils
- Additive in various industrial and automotive lubricants

Specifications

PROPERTY	UNIT	METHOD	SPECIFICATIONS
Color	–	ASTM D 1500	0.5 MAX
Density at 15°C	g/ml	ASTM D 1298	REPORT
Viscosity at 100°C	cst	ASTM D 445	7.6-8.2
Viscosity at 40°C	cst	ASTM D 445	REPORT
Viscosity Index	–	ASTM D 2270	130 MIN
Flashpoint	°C	ASTM D 92	220 MIN
Pourpoint	°C	ASTM D 97	-12 MAX
Sulfur	PPM	ASTM D 2622	MAX 10
NOACK	wt%	ASTM D5800-B	8 MAX

Safety and Handling Guidelines

This lubricant is formulated with highly refined mineral oils and performance additives. Under normal usage conditions, it poses no significant toxic hazard. However, all lubricants must be handled with care to ensure user safety and environmental protection.

- Continuous skin contact can result in irritation—clean the area well after exposure.
- In the event of skin contact, cleanse the area immediately using soap and water.
- Do not dispose used oil into drains, watercourses, or the environment.
- Dispose the used oil at an authorized collection or recycling facility.