

Technical Data Sheet

Base Oil SN-150

Flexi-Containers / ISO Tanks / Bulk Vessels

Description

SN 150 is a light-viscosity Group I base oil, widely utilized in the formulation of lubricants and additive packages. It is obtained through the processing of vacuum distillate streams from crude oil. The refining process includes selective solvent treatment, dewaxing, and a final stage of hydrofinishing to enhance purity and performance.

This base oil exhibits a kinematic viscosity of 4.8-5.3 cSt at 100°C and 28-31 cSt at 40°C, making it one of the lighter grades within the Group I category. Due to its consistent quality and balanced properties, SN 150 is a reliable base stock for various industrial and automotive lubricant applications.

Applications

SN 150 base oil serves as a key component in the formulation of various finished lubricant products, including:

- Engine oils
- General-purpose lubricants
- Transmission fluids
- Gear oils
- Metalworking fluids
- Additive packages
- Hydraulic oils
- Transformer oils
- Cable filling compounds (cable jellies)
- Mould release oils

Specifications

PROPERTIES	UNIT	METHOD	SPECIFICATIONS
Color	–	ASTM D 1500	1.5 MAX
Density at 15°C	g/ml	ASTM D 1298	REPORTED
Viscosity at 100°C	cst	ASTM D 445	4.8-5.3
Viscosity at 40°C	cst	ASTM D 445	28-31
Viscosity Index	–	ASTM D 2270	100 MIN
Flashpoint	°C	ASTM D 92	210 MIN
Pourpoint	°C	ASTM D 97	<-9 MIN
sulfur	wt%	ASTM D 4294	1.0 MAX

Safety and Handling Guidelines

These lubricants are formulated with highly refined mineral base oils and specific additives. Under normal use, they do not pose significant toxic hazards. However, all lubricants should be handled with care to ensure safety and environmental protection.

Precautions

- Avoid prolonged or repeated contact with skin.
- Prevent splashing and exposure to combustible materials.
- Always store in a covered area, away from sources of pollution.
- Dispose of used oil responsibly—never pour it into drains, watercourses, or onto the ground.