(مصنع دانة لوبريكانتس)ذ م م

DANA LUBRICANTS FACTORY L.L.C

(A Division of DANA Group)

ISO 9001:2015 & ISO 14001:2015 & ISO 45001:2018
Registered company by LLC (No: AJU-1116 & AJU-5046 & AJU-3057)

Technical Data Sheet

DanaLubes PAO 6 cSt Group IV Synthetic Base Oil

Product Description

DanaLubes PAO 6 cSt is a high-performance, highly branched isoparaffinic polyalphaolefin specifically developed for advanced lubrication needs. It offers exceptional oxidative and thermal stability, excellent film strength, and reliable performance at both high and low temperatures. This synthetic base fluid ensures long-lasting protection, energy efficiency, and durability in critical operating environments.

Applications

DanaLubes PAO 6 cSt can be used in a broad range of lubricant formulations, such as:

- **Gear oils for industrial and automotive applications**
- **Compressor oils providing extended operational life**
- **Engine oils with improved wear protection and long-drain intervals**
- **Hydraulic fluids with stable viscosity under varying conditions**
- **Premium greases for heavy-duty performance**
- **Specialty and functional fluids requiring consistent high stability**

Typical Properties

Property	Test Method	Typical Value
Kinematic Viscosity, cSt @ 100°C (212°F)	ASTM D7042 / D445	5.86
Kinematic Viscosity, cSt @ 40°C (104°F)	ASTM D7042 / D445	30.9
Kinematic Viscosity, cSt @ -40°C (-40°F)	ASTM D7042 / D445	7,755
Viscosity Index	ASTM D2270	137
Density, lb/gal	ASTM D7042	6.910
Flash Point (COC), °C (°F)	ASTM D92	239 (463)
Fire Point (COC), °C (°F)	ASTM D92	273 (523)
Appearance	ASTM D4176	Clear and Bright

Health & Safety

When used under recommended conditions, Dana PAO 6 cSt presents no significant health or safety hazards. General precautions include:

- **The maximum recommended temperature for handling is 65 ºC (149 ºF).**
- **Long-term storage should be maintained at normal ambient conditions.**
- **Avoid exposure to excessive heat to preserve product stability.**
- **Store in a cool, dry, and well-ventilated location.**
- **Keep containers tightly sealed when not in use.**
- **Prevent contamination by water, dust, or other foreign materials.**
- **Always refer to the MSDS for complete handling and safety instructions.**

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