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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 2 cSt Group IV Synthetic Base Oil

Product Description

Dana PAO 2 cSt is a premium, highly branched isoparaffinic polyalphaolefin engineered for use in advanced lubricant formulations. It provides excellent thermal and oxidative stability, outstanding low-temperature performance, and enhanced lubrication efficiency. Its superior chemical purity and consistent quality make it ideal for demanding automotive and industrial applications.

Applications

Dana PAO 2 cSt is suitable for a wide range of lubricant formulations, including:

- **Gear oils for smooth and reliable operation**
- **Compressor oils for extended service life**
- **Engine oils with excellent thermal stability**
- **Hydraulic fluids with controlled viscosity performance**
- **High-quality greases with improved protection**
- **Specialty and functional fluids requiring durability and efficiency**

Typical Properties

Property	Test Method	Typical Value
Kinematic Viscosity, cSt @ 100°C (212°F)	ASTM D7042 / D445	1.7
Kinematic Viscosity, cSt @ 40°C (104°F)	ASTM D7042 / D445	5.0
Kinematic Viscosity, cSt @ -40°C (-40°F)	ASTM D7042 / D445	244
Viscosity Index	ASTM D2270	-
Density, lb/gal	ASTM D7042	6.660
Flash Point (COC), °C (°F)	ASTM D92	154 (309)
Fire Point (COC), °C (°F)	ASTM D92	176 (350)
Appearance	ASTM D4176	Clear and Bright

Health & Safety

When used under recommended conditions, Dana PAO 2 cSt presents no significant health or safety hazards. General precautions include:

- **Avoid prolonged or repeated contact with skin.**
- **Prevent eye contact; use protective eyewear when handling.**
- **Use in well-ventilated areas to avoid inhalation of vapors or mists.**
- **For safe handling, the maximum recommended temperature is 65 ºC (149 ºF).**
- **Long-term storage should be maintained at normal ambient conditions.**
- **Always ensure proper storage to preserve product quality.**
- **Refer to the MSDS for detailed handling and safety guidelines.**