



Product Overview

NanoClear 2304 is a nano-particle enhanced oil additive formulated for a wide range of commercial and industrial applications. **Nanoclear 2304** is an ashless formulation using Group IV and Group V base oils, as well as nano carbon technology.

Typical Properties

Measurement	Unit	Typical Value
Acid value	mgKOH/g	0.03
Color	ASTM D1500	L0.5
Cold Cranking Simulator -35°C ASTM D2983	cP	>900,000
Specific gravity	g cm ⁻³	.846
Fire point	Degree C	149
Flash point (COC)	Degree C	257
Pour point	Degree C	-36
Kinematic Viscosity @ 40°C	mm ² /s	53.7
Kinematic Viscosity @ 100°C	mm ² /s	11
High Stress High Shear / TBS viscosity ASTM D4683	cP	4.08
Brookfield Viscosity ASTM D2983 -30°C	cP	26784
Brookfield Viscosity ASTM D2983 -20°C	cP	5619
Brookfield Viscosity ASTM D2983 0°C	cP	<300
Kurt Orbahn Shear Stability ASTM D7109 Unsheared 100°C	cSt	11.01
Kurt Orbahn Shear Stability ASTM D7109 Sheared 90 Pass 100°C	cSt	10.92
Viscosity index		203

Applications and Recommended Uses

LSI Chemical recommends this product is used at the following typical treat rates:

Application	Treat Rate
Air compressor oils	2%
Automotive gear and transmission oils	2%
Chain oils	2%
Environmentally acceptable hydraulic fluids	2%
Ferrous metal rolling oils	2%
Four-stroke engine oils	2%
Greases	2%
Industrial gear oils	2%
Non-ferrous metal rolling oils	2%
Two-stroke engine oils	2%

Features and Benefits

- Biodegradable
- High thermal & oxidative stability
- Clean burn
- High flash point
- Good lubricity
- High viscosity index
- Low volatility

Sales and Technical Support

- R&D testing
- Custom formulations
- Package design
- Media asset creation
- Private brand/label