

CHEMLUBE® 700 SERIES PAO-BASED LUBRICANTS

Applications:

The Chemlube 700 Series are fully synthetic and have been formulated from premium polyalphaolefin (PAO) base fluids for enclosed gear systems requiring ashless antioxidants, anti-wear and excellent EP additive systems. These oils have been designed to provide superior lubrication under hydrodynamic and boundary lubrication conditions. They are recommended for gear systems where adverse loads and high temperatures are expected.

These oils are designed for enclosed gears operating under adverse loads, temperatures and where EP may be required. The oils in this series can be used under mild and more severely loaded systems and can be used in applications listed by AGMA as requiring EP. These products meet Flender's micro pitting requirements. They are similar to petroleum oils in their compatibility to seals, hoses, gaskets and paint. These oils should not be used in worm gear applications.

Typical Industrial Applications:

- Hydraulic Systems
- Enclosed Gear Units: i.e. Spur, Helical, and Bevel
- Plain and Roller Contact Bearings
- Circulating Lubricated Systems

Performance Benefits:

- 100% Synthetic Lubricant
- Wide Temperature Range
- Low Pour Points
- High Flash Points
- Increased Thermal & Oxidative Stability

Ultrachem 700 Series lubricants meet the requirements of Flender's micro pitting, and have the following approvals: U.S. Steel 224; David Brown Type E; C Machines P-76; Cincinnati Milacron.

HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at info@ultracheminc.com



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ULTRACHEM

TYPICAL PROPERTIES	TEST METHOD	Chemlube 724	Chemlube 725	Chemlube 726	Chemlube 727	Chemlube 729
ISO Grade	ASTM D2422	32	46	68	100	150
Viscosity @ 40°C,cSt	ASTM D445	32.9	47	67	104	163
Viscosity @ 100°C,cSt	ASTM D445	6.2	7.9	10.2	13.4	17.9
Viscosity Index	ASTM D2270	140	141	135	154	149
Flash Point, °C/°F	ASTM D92	240/464	240/464	238/460	260/500	260/500
Pour Point, °C/°F	ASTM D97	-48/-54	-48/-54	-48/-54	-45/-49	-45/-49
Copper Corrosion	ASTM D130	1B	1B	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass
Evaporation	ASTM D972	<1%	<1%	<1%	<1%	<1%
FZG, load stage	ASTM D5182	10	12	12	12	12
Specific Gravity	ASTM D1298	0.86	0.85	0.85	0.87	0.86

TYPICAL PROPERTIES	TEST METHOD	Chemlube 730	Chemlube 732	Chemlube 734	Chemlube 736	Chemlube 739
ISO Grade	ASTM D2422	220	320	460	680	1000
Viscosity @ 40°C,cSt	ASTM D445	222	312	469	671	943
Viscosity @ 100°C,cSt	ASTM D445	22.2	28.5	38.5	48.4	62.2
Viscosity Index	ASTM D2270	149	153	150	151	172
Flash Point, °C/°F	ASTM D92	262/504	270/518	270/518	270/518	270/518
Pour Point, °C/°F	ASTM D97	-35/-31	-33/-27	-27/-17	-25/-13	-23/-9
Copper Corrosion	ASTM D130	1B	1B	1B	1B	1B
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass
Evaporation	ASTM D972	<1%	<1%	<1%	<1%	<1%
FZG, load stage	ASTM D5182	12	12	12	12	12
Specific Gravity	ASTM D1298	0.87	0.87	0.87	0.88	0.88

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