



ISO-9001 Registered Quality System.

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PRODUCT DATA**LUBRIPLATE SYN LUBE SERIES**

ISO VG Grades 150, 220, 320, 460, 680 & 1000

DESCRIPTION

LUBRIPLATE SYN LUBE SERIES ISO VG 150 - 1000 fluids are high performance, zinc-free synthetic fluids for industrial machine applications. These fluids are 100% synthetic based products formulated with a combination of PAO and ester technology.

LUBRIPLATE SYN LUBE SERIES ISO VG 150 - 1000 fluids are available in (6) ISO Viscosity Grades (ISO VG 150, 220, 320, 460, 680, 1000).

ADVANTAGES

LUBRIPLATE SYN LUBE SERIES ISO VG 150 - 1000 fluids provide several advantages over mineral oil based products.

- ⇒ Excellent thermal stability and oxidation resistant characteristics increasing the service life of the lubricant many times over that of mineral oils.
- ⇒ Outstanding anti-wear properties resulting in extended drain intervals and longer equipment life.
- ⇒ Exceptional demulsibility characteristics.
- ⇒ High viscosity indexes and low pour points to ensure optimum performance over a wide operating temperature range.
- ⇒ Broad range of compatibility with elastomers and seal materials.
- ⇒ Exhibit very low coefficients of friction and superior heat transfer characteristics, resulting in lower operating temperatures and reduced power consumption.

Typical Test Data – See Back**APPLICATIONS**

LUBRIPLATE SYN LUBE SERIES ISO VG 150 - 1000 fluids are excellent gear and bearing lubricants for use under severe conditions such as extremely high or low temperatures. These fluids are also excellent lubricants for gear pumps and positive displacement blowers.

<u>PACKAGING AVAILABLE</u>	<u>SYN LUBE 150</u>	<u>SYN LUBE 220</u>
Carton, 4/1 Gallon Jugs	L0974-057	L0975-057
5 Gallon Pail	L0974-060	L0975-060
16-Gallon Drum	L0974-061	L0975-061
55-Gallon Drum	L0974-062	L0975-062
<u>PACKAGING AVAILABLE</u>	<u>SYN LUBE 320</u>	<u>SYN LUBE 460</u>
Carton, 4/1 Gallon Jugs	L0976-057	L0977-057
5 Gallon Pail	L0976-060	L0977-060
16-Gallon Drum	L0976-061	L0977-061
55-Gallon Drum	L0976-062	L0977-062
<u>PACKAGING AVAILABLE</u>	<u>SYN LUBE 680</u>	<u>SYN LUBE 1000</u>
Carton, 4/1 Gallon Jugs	L0978-057	L0979-057
5 Gallon Pail	L0978-060	L0979-060
16-Gallon Drum	L0978-061	L0979-061
55-Gallon Drum	L0978-062	L0979-062

Typical tests for LUBRIPLATE SYN LUBE SERIES are as follows:

PROPERTY	TEST METHOD	TYPICAL RESULTS*		
		SYN LUBE 150	SYN LUBE 220	SYN LUBE 320
Viscosity cSt @ 40°C	ASTM D-445	151	216	311
Viscosity cSt @ 100°C	ASTM D-445	20	26	34
Viscosity SUS @ 100°F	ASTM D-2161	762	1088	1557
Viscosity SUS @ 210°F	ASTM D-2161	97	128	161
Viscosity Index	ASTM D-2270	156	155	155
Pour Point	ASTM D-97	-60°F/-51°C	-50°F/-46°C	-50°F/-46°C
Flash Point	ASTM D-92	510°F/266°C	510°F/266°C	505°F/263°C
Fire Point	ASTM D-92	555°F/291°C	555°F/291°C	550°F/288°C
API Gravity	ASTM D-287	36.8	36.7	35.6
Color	ASTM D-1500	1.0 max	1.0 max	1.0 max
Neutralization No.	ASTM D-974	0.8	0.8	0.8
Copper (Cu) Corrosion	ASTM D-130A	1a	1a	1a
ISO Viscosity Grade	***	150	220	320
SAE Gear Oil No.	***	80W-90	90	80W-140
AGMA No.	***	4	5	6
Four Ball Wear Test	ASTM D-4172	0.34 mm	0.34 mm	0.34 mm
PROPERTY	TEST METHOD	TYPICAL RESULTS*		
		SYN LUBE 460	SYN LUBE 680	SYN LUBE 1000
Viscosity cSt @ 40°C	ASTM D-445	446	623	950
Viscosity cSt @ 100°C	ASTM D-445	45	57	77
Viscosity SUS @ 100°F	ASTM D-2161	2143	3289	4900
Viscosity SUS @ 210°F	ASTM D-2161	211	275	372
Viscosity Index	ASTM D-2270	156	157	157
Pour Point	ASTM D-97	-45°F/-43°C	-45°F/-43°C	-35°F/-37°C
Flash Point	ASTM D-92	505°F/263°C	500°F/260°C	500°F/260°C
Fire Point	ASTM D-92	550°F/288°C	545°F/285°C	545°F/285°C
API Gravity	ASTM D-287	35.1	34.5	33.7
Color	ASTM D-1500	1.0 max	1.0 max	1.0 max
Neutralization No.	ASTM D-974	0.8	0.8	0.8
Copper (Cu) Corrosion	ASTM D-130A	1a	1a	1a
ISO Viscosity Grade	***	460	680	1000
SAE Gear Oil No.	***	140	***	***
AGMA No.	***	7	8	9
Four Ball Wear Test	ASTM D-4172	0.34 mm	0.34 mm	0.30 mm

LUBRIPLATE Syn Lube 220 and LUBRIPLATE Syn Lube 460 passed ASTM D-5182 and DIN 51354 Modified to 13 and 14 Stages.

Slight variations in product color may occur due to storage temperature and exposure to light. Product color has no impact on the lubricant's performance.