"Its the Film" ®
PREVENTS WEAR AND CORROSION
LUBRIPLATE
SUPER-LUBRICATION

ISO-9001 Registered Quality System.
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PRODUCT DATA

LUBRIPLATE SYN LUBE SYNTHETIC FLUID SERIES
No.'s 22, 32, 46, 68 & 100

DESCRIPTION

LUBRIPLATE SYN LUBE ISO VG Fluids 22 through 100 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.

ADVANTAGES

LUBRIPLATE SYN LUBE Synthetic Fluids provide several advantages over mineral oil based products.

ENERGY SAVINGS

- ⇨ SYN LUBE Synthetic Fluids exhibit high viscosity indexes, excellent lubricity, very low coefficients of friction and superior heat transfer characteristics, resulting in lower operating temperatures and lower power consumption

EXTENDED DRAIN INTERVALS

- ⇨ Excellent thermal and oxidation stability characteristics increase the service life of the lubricant many times over that of petroleum oils
- ⇨ Provide outstanding water demulsibility allowing for any water that may have entered the system to be rapidly separated from the SYN LUBE Synthetic Fluids. The water can then be easily drained and emulsion problems can be averted
- ⇨ Generally, intervals of 8,000 hours of compressor fluid service can be achieved, depending on operating conditions. ***LUBRIPLATE Division encourages the use of our Free Oil Analysis Program to determine the extended drain interval***

FLUID/MATERIAL COMPATIBILITY

- ⇨ SYN LUBE Synthetic Fluids are compatible with mineral oil products avoiding time- consuming flushing procedures and allowing conversion to be simplistic. ***Always consult LUBRIPLATE prior to conversion if compatibility is an issue.***
- ⇨ SYN LUBE Synthetic Fluids are recommended for use with high Nitrile Buna-N, Teflon, Viton, Fluorosilicone and Polysulfide elastomers. These fluids are **not** recommended for use with low Nitrile Buna-N, Neoprene or natural rubber

Typical Test Data – See Back

APPLICATIONS

LUBRIPLATE SYN LUBE Synthetic Fluids are available in (5) ISO Viscosity Grades (ISO VG 22, 32, 46, 68, and 100) and recommended for many types of rotary screw and rotary vane air compressors. These synthetic fluids are excellent for high temperature bearing and chain applications as well as situations striving for improved efficiency and extended drain intervals. They are also excellent products for centrifugal air compressors, all types of hydraulic systems and turbine oil applications.

PACKAGING AVAILABLE	SYN LUBE 22	SYN LUBE 32
Carton, 4/1 Gallon Jugs	***	***
5 Gallon Pail	L0968-060	L0970-060
55 Gallon Drum	L0968-062	L0970-062
PACKAGING AVAILABLE	**SYN LUBE 46**	**SYN LUBE 68**
Carton, 4/1 Gallon Jugs	L0971-057	L0972-057
5 Gallon Pail	L0971-060	L0972-060
55 Gallon Drum	L0971-062	L0972-062
PACKAGING AVAILABLE	**SYN LUBE 100**	
Carton, 4/1 Gallon Jugs	***	
5 Gallon Pail	L0973-060	
55 Gallon Drum	L0973-062	

Typical tests for LUBRIPLATE SYN LUBE SYNTHETIC FLUID SERIES are as follows:

PROPERTY	TEST METHOD	TYPICAL RESULTS*				
		SYN LUBE 22	SYN LUBE 32	SYN LUBE 46	SYN LUBE 68	SYN LUBE 100
Viscosity cSt @ 40°C	ASTM D-445	23	32	44	66	110
Viscosity cSt @ 100°C	ASTM D-445	5	6	8	10	15
Viscosity Index	ASTM D-2270	138	136	138	138	142
Pour Point	ASTM D-97	-70°F/-57°C	-70°F/-57°C	-65°F/-54°C	-60°F/-51°C	-55°F/-48°C
Flash Point	ASTM D-92	420°F/216°C	470°F/243°C	485°F/250°C	515°F/267°C	530°F/277°C
Fire Point	ASTM D-92	470°F/243°C	505°F/263°C	550°F/288°C	580°F/304°C	590°F/310°C
API Gravity	ASTM D-287	39.6	37.0	37.4	37.8	36.7
Color	ASTM D-1500	1.0 max	1.0 max	1.0 max	1.0 max	1.0 max
Density (Pounds/Gallon)		6.89	6.993	6.976	6.960	7.005
ISO Viscosity Grade		22	32	46	68	100
Auto ignition Temperature (734°F)	ASTM E-659	ND	>700°F	>700°F	>700°F	>700°F
4-Ball Wear Test	ASTM D-4172	0.5mm	0.5mm	0.5mm	0.5mm	0.5mm
Copper Corrosion	ASTM D-130	1a	1a	1a	1a	1a
Conradson Carbon Residue	ASTM D-189	Nil	Nil	Nil	Nil	Nil
Emulsion Characteristics @ 82°C	ASTM D-1401	40-40-0 (10)	40-40-0 (10)	40-40-0 (10)	40-40-0 (20)	40-40-0 (20)
Rust Test Procedure B	ASTM D-665	Pass No Corrosion	Pass No Corrosion	Pass No Corrosion	Pass No Corrosion	Pass No Corrosion
Rotating Bomb Oxidation Test (Minutes)	ASTM D-2272	>2000	>2000	>2000	>2000	>2000
Demulsibility Characteristics	ASTM D-2711					
Procedure B; Run 1: Percent of Water in Oil		0.4%	0.4%	0.4%	0.2%	0.2%
Free Water Volume		86.0 ml	86.0 ml	86.0 ml	84.0 ml	84.0 ml
Emulsion Volume		0.0 ml	0.0 ml	0.0 ml	0.0 ml	0.0 ml
Demulsibility Characteristics	ASTM D-2711					
Procedure B; Run 2: Percent of Water in Oil		0.10%	0.10%	0.10%	0.3%	0.3%
Free Water Volume		87.8 ml	87.8 ml	87.8 ml	84.7 ml	84.7 ml
Emulsion Volume		0.0 ml	0.0 ml	0.0 ml	0.0 ml	0.0 ml
Demulsibility Characteristics	ASTM D-2711					
Procedure B; Average: Percent of Water in Oil		0.07%	0.07%	0.07%	0.3%	0.3%
Free Water Volume		86.9 ml	86.9 ml	86.9 ml	84.4 ml	84.4 ml
Emulsion Volume		0.0 ml	0.0 ml	0.0 ml	0.0 ml	0.0 ml

**Values for typical results are for information only and can vary; these are not specifications.*

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.

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