DRIVERA SYNTHETIC S

ISO VG 220, 320, 460,

Product Description

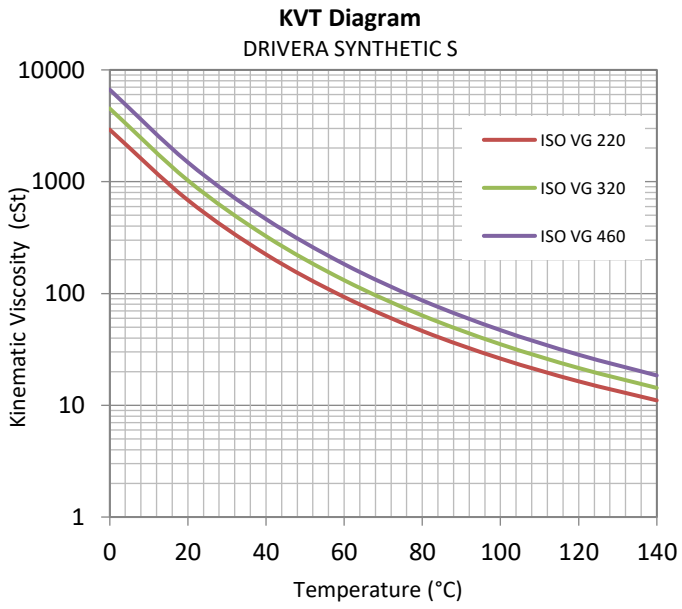
Fully-synthetic hydrocarbon basestocks industrial gear oils formulated with superior extreme pressure and advanced additive technology to provide gear scruffing, micropitting resistance and 1-3% energy saving. DRIVERA SYNTHETIC S offers proficiently oil degradation resistance and sludge formation to extend oil drain intervals.

Benefits

- **Maximum wear and corrosion protection.**
- **Excellent critical micropitting resistance.**
- **Outstanding oxidative and thermal resistance to extended 4 times oil drain periods compared to standard gear oils.**
- **Offers fully performance up to 120 °C.**

Applications

- **Designed for spur, helical, bevel industrial gears that work under severe and a wide range of temperatures condition.**
- **Especially designed for a gear unit that requires FLENDER standard.**
- **Applicable for gears and bearings in circulating and splash-lubricated systems.**
- **Not recommend for worm gear units.**



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For more information please contact:
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Typical Characteristics

Tests		Methods	Units	Results			
				220	320	460	680
Kinematic Viscosity at 40 °C		ASTM D445	mm^2/s	223.4	326.5	462.7	685.1
Kinematic Viscosity at 100 °C		ASTM D445	mm^2/s	26.11	35.28	47.05	65.23
Viscosity Index		ASTM D2270		149	153	159	167
Density at 15 °C		ASTM D4052	g/cm^3	0.859	0.858	0.861	0.864
Flash Point (COC)		ASTM D92	°C	240	242	248	254
Pour Point		ASTM D5950	°C	-45	-42	-40	-39
FZG Scuffing Load (A/8.3/90)		ASTM D5182	Stage	14	14	14	14
Copper Strip Corrosion		ASTM D130		1b	1b	1b	1b
Four-Ball Weld Load		ASTM D2783	kg_f	250	250	250	250
Four Ball Wear		ASTM D4172		-	-	-	-
Foaming	Seq. I	ASTM D892	mL/mL	0/0	0/0	0/0	0/0
	Seq. II	ASTM D892	mL/mL	0/0	0/0	0/0	0/0
	Seq. III	ASTM D892	mL/mL	0/0	0/0	0/0	0/0

Performance Standards

- **AGMA 9005-E02 EP**
- **US STEEL 224**
- **DIN 51517 Part 3**
- **David Brown S1.53.101**
- **FLENDER Gear Units (Revision 16),T 7300, Table A-c**
- **Fives Cincinnati Machine Gear**

Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from http://pttlubricants.pttor.com

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Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTT Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTT Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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