

DRIVERA SYNTHETIC S

ISO VG 150, 220, 320, 460, 680

Product Description

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

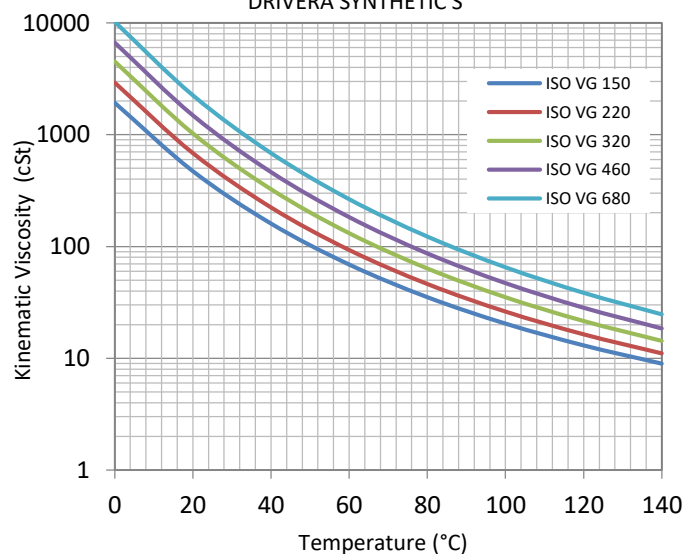
Benefits

- 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.

KVT Diagram
DRIVERA SYNTHETIC S



The Moving Innovation 

DRIVERA SYNTHETIC S

ISO VG 150, 220, 320, 460, 680

Typical Characteristics

Tests	Methods	Units	Results					
			150	220	320	460	680	
Kinematic Viscosity at 40 °C	ASTM D445	mm ² /s	158.7	223.4	326.5	462.7	685.1	
Kinematic Viscosity at 100 °C	ASTM D445	mm ² /s	20.23	26.11	35.28	47.05	65.23	
Viscosity Index	ASTM D2270		148.2	149	153	159	167	
Density at 15 °C	ASTM D4052	g/cm ³	0.857	0.859	0.858	0.861	0.864	
Flash Point (COC)	ASTM D92	°C	235	240	242	248	254	
Pour Point	ASTM D5950	°C	-45	-45	-42	-40	-39	
FZG Scuffing Load (A/8.3/90)	ASTM D5182	Stage	14	14	14	14	14	
Copper Strip Corrosion	ASTM D130		1a	1b	1b	1b	1b	
Four-Ball Weld Load	ASTM D2783	kg _f	200	250	250	250	250	
Four Ball Wear	ASTM D4172		-	-	-	-	-	
Foaming	Seq. I	ASTM D892	mL/mL	nil/0	0/0	0/0	0/0	0/0
	Seq. II	ASTM D892	mL/mL	40/0	0/0	0/0	0/0	0/0
	Seq. III	ASTM D892	mL/mL	nil/0	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 15), 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>



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.

The Moving Innovation 