

HYDRAULIC LONG LIFE

ISO VG 32, 46, 68, 100

Product Description

HYDRAULIC LONG LIFE are high performance hydraulic fluids that formulated with special additive packages containing anti-wear properties that would help an excellent wear protection for machines. Brilliantly carry the power transmission of hydraulic systems, progressively reduce deposit formation, and resist oil degradation that could extend oil drain intervals and minimize downtime.

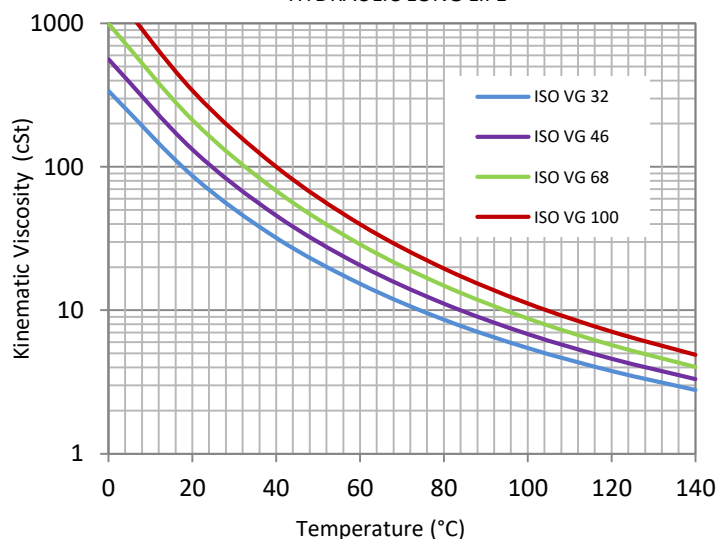
Benefits

- Excellence in wear and corrosion protection helps extending component life, oil drain intervals, and filter life
- Formulated with robust additives that continuously reduced deposit formation and resisted oil degradation
- Enhanced thermal and oxidation stability helps reduce deposit and provide better system cleanliness resulting in cost and maintenance downtime reduction.
- Be able to prevent foam formation due to anti-foam additive

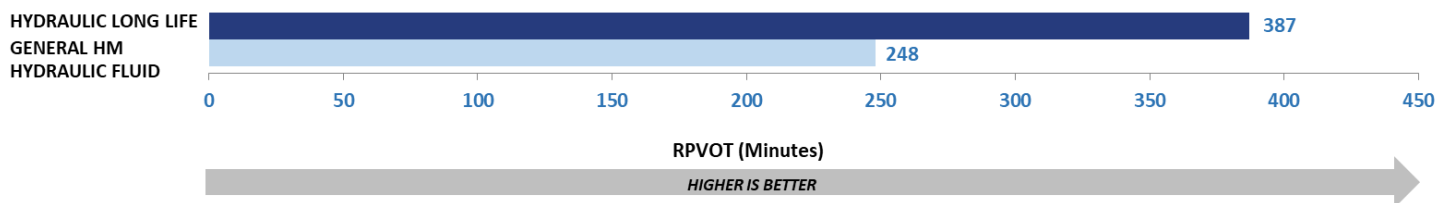
Applications

- Suitable for using in power and control transmission of industrial hydraulic systems.
- Be able to use with mobile, construction and heavy duty hydraulic systems.
- Applicable for used in both industrial and automotive hydraulic systems.

KVT Diagram
HYDRAULIC LONG LIFE



RPVOT
ASTM D2272



The Moving Innovation 

HYDRAULIC LONG LIFE

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Typical Characteristics

Tests	Methods	Units	Results			
			32	46	68	100
Kinematic Viscosity at 40 °C	ASTM D445	mm ² /s	31.57	45.88	68.98	97.55
Kinematic Viscosity at 100 °C	ASTM D445	mm ² /s	5.59	7.024	8.90	11.10
Viscosity Index	ASTM D2270		116	110	104	98
Density at 15 °C	ASTM D4052	g/cm ³	0.8702	0.8769	0.8835	0.8884
Flash Point (COC)	ASTM D92	°C	229	242	255	276
Pour Point	ASTM D97	°C	-27	-27	-27	-27
Copper Strip Corrosion	ASTM D130		1a	1a	1a	1a
Foaming	Seq. I	ASTM D892	mL/mL	0/0	0/0	0/0
	Seq. II	ASTM D892	mL/mL	10/0	0/0	0/0
	Seq. III	ASTM D892	mL/mL	0/0	0/0	0/0

Performance Standards

- ISO 11158 Category HM
- DIN 51524 Part 2 HLP Type
- ASTM D6158 HM
- PARKER DENISON HF-0, HF-1, HF-2
- EATON E-FDGN-TB002-E
- FIVE CINCINNATI
- US STEEL 127, 136
- GM LS-2
- JCMAS HK P041
- SEB 181, 222
- Bosch Rexroth RDE 90235

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.