HYDRAULIC

ISO VG 32, 37, 46, 68, 100

Product Description

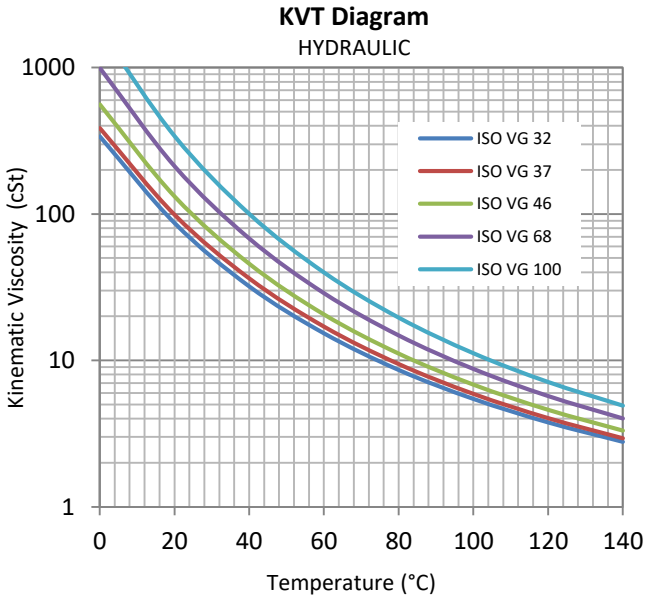
Premium hydraulic fluids produced from high quality hydrocarbon basestocks and additive packages containing efficient anti-wear properties. HYDRAULIC offers a high level of wear protection and deposit formation.

Benefits

- **Enhanced wear and corrosion protection helps extend component life, enable better long oil and filter life.**
- **Enhanced thermal and oxidation stability helps reduce deposit and provide better system cleanliness resulting in cost and maintenance downtime reduction.**

Applications

- **Suitable for use in power and control transmission systems.**
- **Applicable for used in both industrial and automotive hydraulic systems.**



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Typical Characteristics

Tests		Methods	Units	Results				
				32	37	46	68	100
Kinematic Viscosity at 40 °C		ASTM D 445	mm^2/s	31.57	36.85	45.88	68.98	97.55
Kinematic Viscosity at 100 °C		ASTM D 445	mm^2/s	5.59	6.17	7.024	8.90	11.10
Viscosity Index		ASTM D 2270		115.9	114.5	110.6	103.5	98
Density at 15 °C		ASTM D 4052	g/cm^3	0.8702	0.8740	0.8769	0.8835	0.8884
Flash Point (COC)		ASTM D 92	°C	229	231	242	255	276
Pour Point		ASTM D 97	°C	-12	-12	-9	-9	-6
Copper Strip Corrosion		ASTM D 130		1b	1b	1b	1b	1b
Foaming	Seq. I	ASTM D 892	ml/ml	0/0	0/0	0/0	0/0	0/0
	Seq. II	ASTM D 892	ml/ml	10/0	10/0	0/0	0/0	0/0
	Seq. III	ASTM D 892	ml/ml	0/0	0/0	0/0	0/0	0/0

Performance Standards

- Denison HF-0, HF-1, HF-2
- Eaton Vickers M-2950-S, I-286-S
- DIN 51524 Part 2 HLP Type
- US Steel 127, 136
- MAG (Cincinnati Milacron) P-68, P-69, P-70
- ISO 11158 Category HM
- GM LS-2
- SEB 181 222
- JCMAS HK P041
- Bosch Rexroth RD 90220-1

PTT LUBE SOLUTIONS *Professional Lubricant Service Partner*

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

The product can cause some skin irritation and has flash point higher than 93.4°C

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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