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Product Data Sheet (PDS)



INGEN HYDRAULIC HVI 32/46/68/100

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INGEN HYDRAULIC HVI 32/46/68/100



INGEN HYDRAULIC HVI 32/46/68/100 are premium high-viscosity-index hydraulic fluid for wear protection. They are produced from high quality and low-contaminant paraffinic base oils which provide long service life. INGEN Hydraulic HVI 32, 46, 68, 100 contains anti-wear and antioxidant additives. They are also improved their viscosity index by adding viscosity index improver (viscosity modifier) which are able to use in broad temperature range and improve system efficiency

PERFORMANCE STANDARDS:

- Bosch Rexroth RDE 90235
- SEB 181222
- PARKER HF-0/HF-1/HF-2
- DIN 51524-3
- ISO 11158
- JCMAS HK P041
- GB 11118.1-2011
- ASTM D6158
- AIST 126, 127

FEATURES & BENEFITS:

- Maximize protection from wear, corrosion and suitable for using with rubber seals without adverse reaction.
- Antifoaming characteristics
- High oxidation resistance
- Good water separating characteristics minimize the formation of emulsions
- Provide shear stability characteristics and stay-in-viscosity-grade in various temperatures.

APPLICATIONS:

- Designed for use in hydraulic systems subjected to wide variations in operating temperatures.
- Suitable for hydraulics of mobile, construction and agricultural equipment.
- Recommended for general hydraulic applications requiring anti-wear type oil.
- Can be used as R&O (Rust & Oxidation Inhibited) oil.

TECHNICAL DATA

Sr. No	Characteristics	Test Method	32	46	68	100
01	Appearance	VISUAL	B & C	B & C	B & C	B & C
02	Color	ASTM D-1500	1.0	1.0	L 1.5	L 1.5
03	Density @ 15 C, g/ml	ASTM D-4052	0.86	0.87	0.88	0.88
04	Viscosity @ 40 C, cSt	ASTM D-445	32	46	68	100
05	Viscosity @ 100 C, cSt	ASTM D-445	6.26	8.04	10.68	13.74
06	Viscosity Index	ASTM D-2270	150	148	146	138
07	Flash Point, COC, C	ASTM D-92	218	220	228	234
08	Pour Point, C	ASTM D-97	-39	-36	-36	-33

Health and Safety:

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application, following the recommendations provided in the Material Safety Data Sheet (MSDS). MSDSs are available upon request. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

Due to continual product research and development, the information contained herein is subject to change without notification. Typical Properties may vary slightly.