



# PTT HYDRAULIC HVI

## High Viscosity Index Industrial Hydraulic Oil

### Descriptions

- PTT HYDRAULIC HVI 15, 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. PTT Hydraulic HVI 15, 32, 46, 68, 100 contain 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.

### Special Properties

- Maximize protection from wear, corrosion and suitable for using with rubber seals without adverse reaction.
- Against foaming. Thermal and oxidation stable help extend oil life.
- 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.

### Reference Standards

- DIN 51524 Part 3
- Eaton Vickers M-2950-S, I-286-S
- JCMAS HK P041
- US Steel 127, 136
- Cincinnati Milacron P-68, P-69, P-70
- Bosch Rexroth RD 90220-1
- Denison HF-0, HF-1, HF-2
- ISO 11158 Category HV

### Typical Values

	15	32	46	68	100
- Density @ 30°C, kg/dm <sup>3</sup>	0.8256	0.8337	0.8386	0.8514	0.8654
- Viscosity @ 40 °C, cSt	15.73	32.31	46.58	67.64	98.24
- Viscosity @ 100 °C, cSt	3.959	6.307	8.15	10.78	12.99
- Viscosity Index	156	150	149	149	129
- Pour Point, °C	-45	-42	-39	-36	-36
- Flash Point (COC), °C	158	216	220	228	232

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