Avalon HVI Pro

Extra Heavy Duty Long Drain Hydraulic Oil

Product Description:

Veedol Avalon HVI Pro hydraulic oils are high viscosity index, shear stable hydraulic oils meant for systems working under wide temperature range.

Blended with premium quality base oils, advanced zinc-based additives, and shear stable viscosity modifiers, they exhibit excellent viscosity control under severe mechanical stress and a wide range of temperatures. Also provide outstanding protection to the hydraulic systems in most demanding conditions.

Performance Specifications:

Veedol Avalon HVI Pro hydraulic oil meets & exceeds the performance requirements of

- Denison Hydraulics HF-0, HF-1, HF-2
- Vickers M-2952-S, I-286-S, M-2950-S
- Mannesmann Rexroth RE 07 075
- ISO Standard 6743 Part 4, Type HV
- DIN 51524 Part 3 HVLP

Features/Benefits:

- Outstanding resistance to degradation at high pressure, temperature and mechanical stress provide longer oil life.
- Excellent thermal and oxidation stability minimizes deposit formation, enhances system cleanliness, helps extend oil and filter life, thus reducing maintenance cost.
- High viscosity index resists change in viscosity over wide range of temperatures improving hydraulic efficiency.
- Excellent hydrolytic stability provides improved protection to yellow metals in hydraulic system.

Application:

- Moderate- to high-pressure hydraulic systems operating outdoors in severe cold regions or where there is a wide variation in ambient temperature.
- Mobile equipment requiring high viscosity index hydraulic fluids
- Hydraulic equipment used in marine, construction, mining, and oil-industries.

Typical Properties:

Test Parameters	Test Method	46	68
Density at 29.5ºC	ASTM D4052	0.845	0.849
Kinematic Viscosity @ 40°C, cSt	ASTM D445	47.5	67.83
Kinematic Viscosity @ 100°C, cSt	ASTM D445	8.22	10.95
Viscosity Index	ASTM D2270	147	153
Flash Point (COC), °C	ASTMD92	240	246
Pour Point, °C	ASTM D97	-39	-33
Total Acid Number, mg KOH/ gm	ASTM D664	0.65	1.30
Copper Corrosion at 100°C, 3 hours	ASTM D130	1a	1a
Foaming Tendency/ Stability Sequence I, mL/mL Sequence II, mL/mL Sequence III, mL/mL	ASTM D892	 0/0 10/0 0/0	 0/0 10/0 0/0
Rust Test	ASTM D665	Pass	Pass
FZG (A/8.3/90), Pass load stage	DIN 51354	12	12
TOST Life, hours	ASTM D943	>6000	>6000

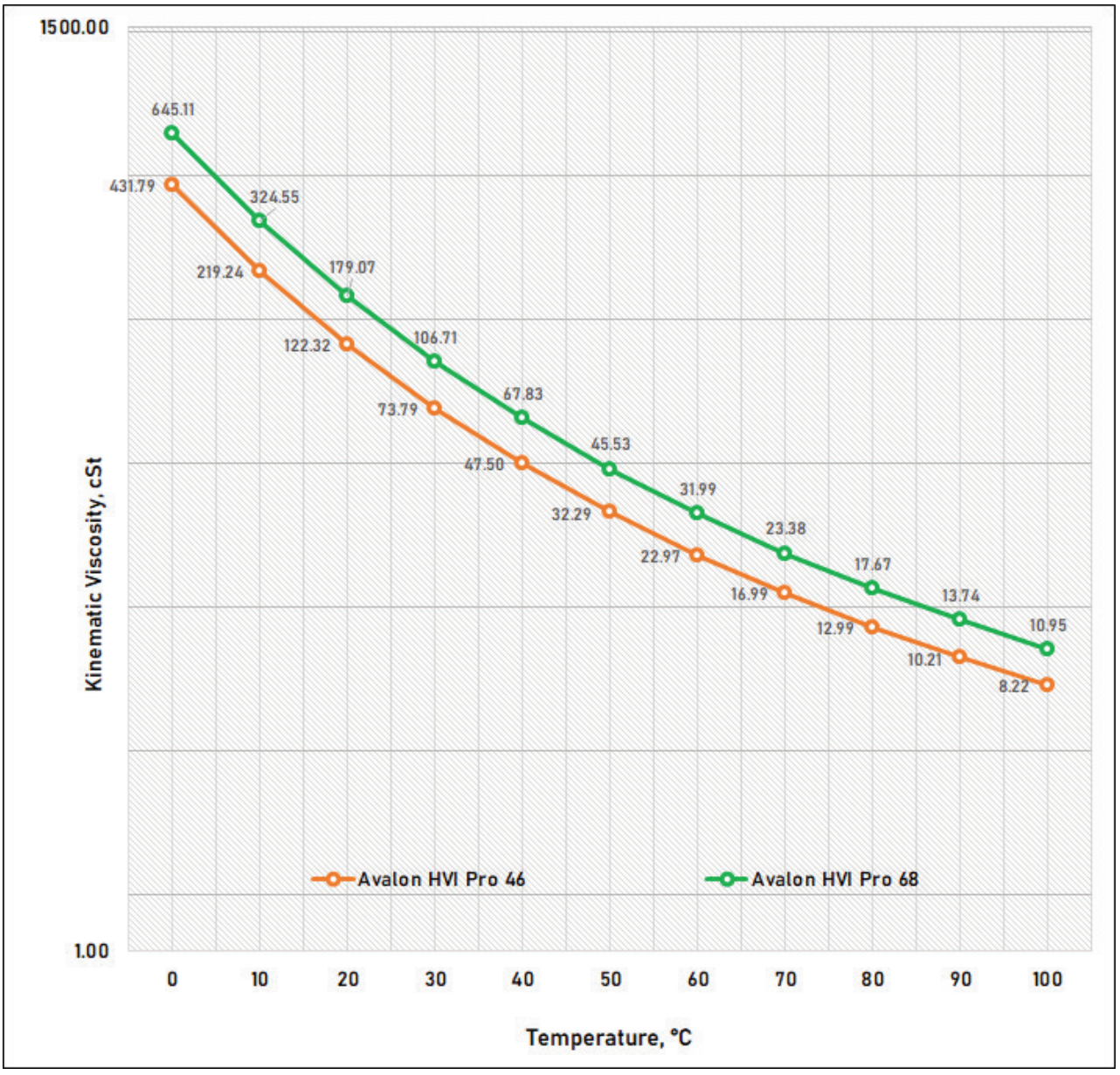
The above typical properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

STORAGE
All packages should be stored under cover. It should not be exposed to direct sunlight, intense cold and extreme temperature fluctuations. Where outside storage is unavoidable, drums should be laid horizontally or properly covered to avoid the possible ingress of water and damage to drum markings.

HEALTH, SAFETY AND ENVIRONMENT
The informtion on this product is available in the Material Safety Data Sheet (MSDS) as a guide to the precautions and safe handling of this product and its disposal. For further information, we recommend you review the MSDS. If handled correctly, there are no special precautions suggested.

VEEDOL CORPORATION LIMITED
Corporate Office: 902, Godrej TWO, Vikhroli, Eastern Express Highway, Mumbai-400 079.
Regd. Office: Yule house, 8, Dr. Rajendra Prasad Sarani, Kolkata-700 001, West Bengal, India.
www.veedolindia.com

Viscosity – Temperature diagram:



The Viscosity-Temperature Diagram for Avalon HVI Pro is based on the typical characteristics as mentioned above and may vary depending on the batch results having variations that do not affect the product performance.