



Avalon IM 46

Extra Heavy Duty Long Drain Hydraulic Oil

TECHNICAL DATA SHEET

Product Description:

Veedol Avalon IM 46 is a heavy duty long drain hydraulic oil specially developed for use in plastic injection moulding machines.

Veedol Avalon IM 46 is a combination of zinc free chemistry additive and specially selected premium quality base oils designed for use in mobile and stationary high pressure hydraulic systems utilizing vane, gear or piston pumps.

Veedol Avalon IM 46 is zinc free chemistry oil designed for use in environmentally sensitive applications that requires hydraulic oil containing no metal.

Veedol Avalon IM 46 is a super clean oil that protects critical hydraulic system components.

Performance Specifications:

Meets & Exceeds performance requirement of

- Denison HF-0
- Eaton M-2950-S
- FIVES (formerly MAG) P70
- DIN 51524 part II
- ISO 11158
- ASTM D6158
- SAE MS 1004
- Bosch Rexroth RE 90220
- GM LS-2

Features/Benefits:

- Thermally and hydrolytically stable providing good anti-wear performance, exceptional oxidation stability, water separability, foam suppression and protection against rust and corrosion.
- Superior anti-wear properties helps reduce wear and protects pumps and critical components.
- Super clean performance reduces system deposits leading to reduced machine maintenance and increased component life.
- Low filter blocking tendency. Minimal sludge and deposit formation
- Long lasting and extended oil change intervals results in lower downtime and lubricant cost.
- Being shear stable and having high Viscosity Index helps retain adequate film thickness over wide temperature range.
- Improved protection and extended life of yellow metal parts of the equipment.
- Good compatibility with elastomer and seals



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Application:

- Veedol Avalon IM 46 is new technology fluid recommended for use in plastic Injection moulding machines.

Typical Properties:

Test Parameter	ASTM Test Method	Typical Value
Kinematic Viscosity, @ 40°C, cSt	ASTM D 445	46.2
Flash Point (COC), °C	ASTM D 92	250
Pour Point, °C	ASTM D 97	-36
Demulsibility @ 54°C, minute	ASTM D 1401	8
Air Release Value @ 50°C, minute	ASTM D 3427	4
Cu-Corrosion @ 100°C, 3 hrs	ASTM D 130	1a
Rust Test	ASTM D 665	Passes

Properties mentioned above are typical only and minor variations which do not affect the product performances are to be expected in normal manufacturing.