

AVYOL HYDRAULIC OILS

(High-Performance Hydraulic Fluids)

Avyol Hydraulic Oils are specially formulated to provide excellent wear protection, thermal stability, and oxidation resistance for hydraulic systems. Designed to meet the requirements of high-pressure and high-speed hydraulic equipment, they ensure smooth operation, reduced maintenance, and extended service life. These oils are suitable for industrial machinery, mobile equipment, and systems operating under severe conditions.

Performance Highlights

- Superior anti-wear protection for pumps, valves, and hydraulic motors.
- Excellent oxidation and thermal stability, extending oil and equipment life.
- High viscosity index for consistent performance over a wide temperature range.
- Outstanding rust and corrosion protection.
- Rapid air release and anti-foam properties for trouble-free operation.
- Available in ISO VG grades 32, 46, 68, and higher.



Typical Specifications (Hydraulic Oils – ISO VG 46 as example)

Property	Value / Limit	Test Standard
Kinematic Viscosity @ 40 °C	46 mm ² /s ± 10%	ASTM D445
Viscosity Index	≥ 95	ASTM D2270
Flash Point (°C, COC)	≥ 210	ASTM D92
Pour Point (°C)	≤ -12	ASTM D97
Oxidation Stability @ 95 °C (hrs)	≥ 1000	ASTM D943
Rust Protection	Pass	ASTM D665
Foaming Characteristics	Pass (Seq I/II/III)	ASTM D892
Demulsibility (40-40-0, 30 min)	Pass	ASTM D1401

