



Product Name: HYDRÖI Hydraulic Oil HL

ISO Classification: HL

Viscosity Grades: ISO VG 32, 46, 68

Quality: Mineral

Recommended for: Hydraulic equipment operating at standard and high operating temperatures and where **DIN 51524 Part 1 (HL)** is required.

Application: Hydraulic systems (stationary and mobile machinery)

Drain Interval: 6000 Hr

Product Overview

HYDRÖI Hydraulic Oil HL are high-quality, low-to-medium viscosity fluids designed to optimize hydraulic systems across industrial and mobile machinery. Formulated with refined base oils and advanced additive technology, these oils provide exceptional performance in high-pressure, high-temperature, and high-load environments.

Application

- **Stationary Equipment:** Hydraulic systems in presses, lifts, molding machines, and industrial applications.
- **Mobile Equipment:** Construction, highway, mining, and municipal machinery

Performance Benefits

- **Advanced Additive Package:** Antioxidants, anti-corrosion, anti-foaming, and detergent-dispersing additives enhance system reliability and cleanliness.
- **Thermal and Oxidation Stability:** Prevents deposits and reduces wear, ensuring long-term efficiency.
- **Corrosion and Wear Protection:** Protects critical components against wear, water, and acids, lowering maintenance costs.
- **Enhanced Pump Efficiency:** Excellent demulsification, air release, and resistance to foaming for optimal pump performance.
- **Versatile Applications:** Ideal for stationary (e.g., presses, lifts) and mobile (e.g., construction, mining) machinery.

Performance Specifications:

- ISO VG {Grade}
- DIN 51524 Part 1 (HL)
- ISO L-HL (11158:2023)
- ISO 6743-4 HL
- DIN 51517-2 (CL)

Typical Properties

Property	Test Standard	VG 32	VG 46	VG 68
Density @ 15°C (g/cm ³)	ASTM D4052	0.870	0.875	0.880





Kinematic Viscosity @ 40°C	ASTM D445	32.0	46.0	68.0
Kinematic Viscosity @ 100°C	ASTM D445	5.35	6.8	8.9
Viscosity Index	ASTM D2270	100	95	90
Pour Point (°C)	ASTM D97	-21	-18	-15
Flash Point (°C)	ASTM D92	215	220	225

Health, Safety, and Environmental Guidelines:

- **Handling:** Avoid prolonged skin contact; wash immediately with soap and water if contact occurs.
- **Disposal:** Dispose of used oil responsibly at authorized collection points.
- **Storage:** Keep tightly closed and store in a dry, well-ventilated area between **0°C and 40°C**.

