

HYDKÖN Hydraulic Oil HL Serie

Product Description

HYDKÖN Hydraulic HL Oils 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

HYDKÖN Hydraulic HL is suitable for use in:

- **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.

Specifications and Approvals

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

Typical Properties

Parameter	Grade 32	Grade 46	Grade 68	Test Standard
Density @ 15°C (g/cm ³)	0.870	0.875	0.880	ASTM D4052
Kinematic Viscosity @ 40°C	32.0	46.0	68.0	ASTM D445
Kinematic Viscosity @ 100°C	5.35	6.8	8.9	ASTM D445
Viscosity Index	100	95	90	ASTM D2270
Pour Point (°C)	-21	-18	-15	ASTM D97
Flash Point (°C)	215	220	225	ASTM D92

