

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                   | ISO 32 | ISO 46 | ISO 68 | Test Standard |
|-----------------------------|--------|--------|--------|---------------|
| Density @ 15°C (g/cm³)      | 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      |

