

HYDKÖN Hydraulic Oil HVLP Serie

Product Description

HYDKÖN Hydraulic HVLP oils are high-performance, high-viscosity index anti-wear hydraulic oils designed for a wide range of operating temperatures. Formulated with premium raffinates and advanced additives, these oils provide exceptional wear protection, excellent oxidation stability, and superior system cleanliness, ensuring long-lasting reliability and efficiency for hydraulic systems.

Performance Benefits

- **Excellent Demulsibility:** Rapid water separation ensures system efficiency.
- **Superior Corrosion Protection:** Protects steel and copper components in hydraulic systems.
- **Thermal Stability:** High oxidation stability minimizes deposit formation and extends oil life.
- **Advanced AW Wear Protection:** Extends component life in high-load applications.
- **Outstanding Air and Foam Control:** Prevents cavitation and ensures reliable pump performance.
- **Detergent and Dispersing Properties:** Maintains system cleanliness by suspending contaminants.

Application

- Mobile and static hydraulic systems in construction, agriculture, and industrial equipment.
- Hydraulic cranes, lifts, excavators, dumpers, forklifts, loading ramps, and tailboards.
- Hydraulic systems requiring a multi-range oil for extreme temperature fluctuations.

Specifications and Approvals

- DIN 51524 Part 3 (HVLP)
- ISO 6743/4-HV
- Parker Denison HF-0, HF-1, HF-2
- Sperry Vickers I-286-S, M-2950-S
- US Steel 136

Health, Safety, and Environment

- Avoid prolonged skin contact; wash immediately with soap and water if contact occurs.
- Dispose of used oil responsibly at authorized collection points.
- Do not discharge into drains, soil, or water sources.

Typical Properties

Parameter	Units	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150
Kinematic Viscosity @ 40°C	cSt	22.0	32.0	46.0	68.0	100.0	150.0
Kinematic Viscosity @ 100°C	cSt	5.0	6.7	8.5	11.0	14.5	18.5
Viscosity Index	-	140	140	140	140	140	140
Density @ 15°C	g/cm ³	0.850	0.860	0.865	0.870	0.875	0.880
Flash Point	°C	200	200	200	220	230	240
Pour Point	°C	-33	-33	-33	-33	-30	-27
Demulsification (54°C)	min	≤20	≤20	≤20	≤20	≤20	≤20
Air Release (50°C)	min	≤3	≤3	≤3	≤3	≤3	≤3

Storage Recommendations

Store in a covered, dry environment at temperatures below 60°C. If stored outside, keep drums horizontally to avoid water ingress.

