

Hanasaki HL-Series Hydraulic Fluid

Premium Quality Hydraulic Oils (HL-Type)

Product Description

Hanasaki HL-Series are premium quality hydraulic fluids designed for use in hydraulic systems in industrial and mobile services where EP (Extreme Pressure) performance are not required.

The products are formulated using premium quality base oils and a selected additive system to provide excellent resistance to oxidation and outstanding protection against rust and corrosion in high humidity environment. The hydraulic fluids under Hanasaki HL-Series have good water separation and rapid air-release properties. They are available in ISO 32 through to ISO 150 viscosity grades.

Recommended Applications

- All hydraulic applications (mobile and stationary) where extreme-pressure performance is not required
- Plain and anti-friction bearings used in electric motors
- Gear sets not requiring EP gear oils
- Air compressors in which the temperature does not exceed 140°C

Typical Properties

Properties	ISO Viscosity Grade				
	32	46	68	100	150
Viscosity @ 40°C (ASTM D445), cst	34	46	68	105	151
Viscosity @ 100°C (ASTM D445), cst	6.2	7.1	9.3	11.9	15
Viscosity Index (ASTM 2270)	128	115	114	102	99
Pour Point (ASTM D97), °C	-15	-12	-12	-12	-9
Flash Point (ASTM D92), °C	212	223	225	232	238
Density @ 15°C (ASTM D4052), kg/l	0.865	0.872	0.875	0.875	0.876

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended applications and the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS is available upon request through your sales contact at Hanasaki. This product should not be used for purposes other than its intended use. When disposing of used product, please take care to protect the environment.