

Hanasaki InduO Series

Premium Quality Industrial Gear Oils

Product Description

Hanasaki InduO Series of lubricants are premium quality industrial gear oils designed to provide high load-carrying capacity and outstanding protection against gear wear, pitting and corrosion in extended-drain industrial applications. They are also suitable for use in industrial and marine gear systems, where extreme load and shock load protection is required.

The Hanasaki InduO Series of industrial gear oils provide the following benefits:

- 1) Outstanding extreme pressure performance provides protection for gear drives operating under extreme load, speed, and temperature conditions
- 2) Excellent thermal and oxidative stability minimizes deposit formation and extend bearing and gear life
- 3) Strong resistance against rust and corrosion over long service period
- 4) Advanced micro-pitting and wear protection chemistry allows reduced maintenance
- 5) Excellent water demulsibility and corrosion protection for trouble-free operation in applications where water contamination unavoidable

Performance Standards

AGMA EP 9005-E02 (ISO 150, 220, 320, 460), DIN 51517-3

Typical Properties

Properties	ISO Viscosity Grade			
	150	220	320	460
AGMA Grade	4 EP	5 EP	6 EP	7 EP
Viscosity @ 40°C (ASTM D445) , cst	150	220	320	460
Viscosity @ 100°C (ASTM D445) , cst	16	22	29	38
Viscosity Index (ASTM 2270)	115	120	124	127
Pour Point (ASTM D97) , °C	-33	-27	-27	-27
Flash Point (ASTM D92) , °C	248	247	247	245
Density @ 15°C (ASTM D4052) , kg/l	0.860	0.871	0.881	0.880

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.