



Marine Hydraulic Oil

(ISO 32)

Description

ISO 32 Marine Hydraulic Oil is a biodegradable hydraulic oil formulated with the best optimized natural seed oils that surpass the lubricity of most conventional oils. It protects against wear, has a high flash point for safety and is virtually biodegradable

Biobased

Biobased, biodegradable, non-bioaccumulative, non-aquatic toxic and not toxic to plants. Based on evaluation of the base oils and the finished products, the biobased products are designed to be biodegradable, aquatically non-toxic, not bioaccumulative and with no impact on plants as determined by known test methods. Nevertheless, the use of all the products are subject to the local ordinances and ultimate responsibility for impact remains with the users

Applications

- Recommended for industrial hydraulic systems operating in all seasons
- Particularly suited for use in hydraulic systems near water and other environmentally sensitive areas

Benefits

- Reduces wear through superior thin-film protection
- Maintains stable viscosity through wide operating temperature range
- Protects all ferrous metal components from rust and corrosion
- Has superior flash and fire points for increased safety
- Mostly benign when released into the environment
- Good seal compatibility
- Meets USDA's biobased product definition for Executive Order 13101
- Conforms to EPA's EPP criteria
- Made from renewable natural crop based vegetable oils

Performance Levels

- Exceeds Vickers 20-VQ and 104C Vane Pump Tests
- Passes Vickers 35-VQ Vane Pump Test

Properties	Test Method	Typical Values
ISO Viscosity Grade		32
Viscosity@ 40°C, cSt	ASTM D 445	34.2
Viscosity index		214
Flash Point	°C, °F	208(406)
Pour Point	°C, °F	-36 (-33)
Rust Corrosion	ASTM D-130	1A
Base Oil Aquatic Toxicity	Daphnia	Non- Toxic
Base Oil Biodegradability	OECD	Pass

Packaging	Gallons	Litres
Pail	5	19
Drum	55	208
Bulk Tote	As required	1040

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