

Product code: 5765

Sector: Industrial

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Millmax SE BIO 15

Millmax SE BIO 15 is a fully synthetic hydraulic lubricant formulated from advanced HEES (Synthetic Ester) technology. It delivers unparalleled environmental credentials alongside robust hydraulic performance. The fluid's extremely high Viscosity Index (VI) is a key feature, guaranteeing optimal viscosity control during extreme temperature changes, which directly translates to enhanced equipment efficiency and reduced power consumption in operation.

Application

Designed for mobile and static hydraulic systems where environmental risks necessitate an EAL (Environmentally Acceptable Lubricant). This low-viscosity grade is best suited for applications requiring excellent cold-start performance and rapid circulation, such as light mobile plant and precision control systems operating in cold or temperate climates.

Features & Benefits

- Outstanding Environmental Profile: Readily biodegradable (e.g., OECD 301B) and non-toxic to aquatic life, offering maximum protection for sensitive ecosystems.
- Energy Optimisation: The exceptionally high Viscosity Index dramatically stabilises fluid thickness, leading to lower churning losses and a measurable reduction in energy usage.
- Supreme Cold Performance: Excellent fluidity ensures efficient power transfer from the moment of start-up, even in sub-zero conditions.
- Extended Life: Superior thermal and oxidation stability ensures the fluid remains clean and effective for longer, reducing the frequency of oil changes.
- Anti-Wear Protection: A resilient film strength prevents wear on pumps and valves, helping to extend the service life of critical components.

Performance Profile

- DIN 51524-3 (excl. ASTM D4310)
- ISO 15380 (HEES)
- ISO 6743-4
- VDMA 24568 (HEES)
- Readily biodegradable OECD 301B
- CEC L-33-T-82 Biodegradability
- EU EcoLabel Compliant
- Denison SK-30320
- Swedish Standard 15 54 34
- DIN 51585-A

Typical Characteristics

Density @ 15°C, g/ml	0.919
KV @ 40°C, cSt	16.0
KV @ 100°C, cSt	4.3
Viscosity Index	192
Pour point, °C	≥-55°C
Flash point, °C	≥200°C