

Shell **NATURELLE**

Premium biodegradable hydraulic fluids



The Shell Naturelle family of biodegradable hydraulic fluids offers proven, dependable performance for use in environmentally sensitive areas

Shell Canada Products recognizes the importance of sustainable development. We believe that this essential issue is particularly important in such industries as forestry, mining and construction. With this in mind, Shell is proud to offer Shell Naturelle HF-E and Shell Naturelle HF-M Hydraulic Fluids.

Shell Naturelle HF-M Biodegradable Hydraulic Fluid

Shell Naturelle HF-M meets the biodegradability and stringent toxicology requirements of the Swedish Standard SS 15 54 34, making it particularly suitable for use in sensitive environments. It is a cost-effective biodegradable hydraulic fluid recommended for moderate hydraulic applications operating from -25°C. to +70°C.

Shell Naturelle HF-E Synthetic Biodegradable Hydraulic Fluid

Shell Naturelle HF-E is a synthetic biodegradable hydraulic fluid suitable for more severe power transmission and hydraulic applications, operating from -30°C. to +90°C. It is effective under all operating conditions, from low to severe duty situations.



Shell Lubricants



Shell Naturelle HF-M

- **High biodegradability and low ecotoxicity:**

The base fluids exceed the normal requirements of the universally accepted OECD 301B biodegradability test; the additives meet the stringent ecotoxicity requirements of the Swedish Standard SS 15 54 34.

- **Stable viscosity at -20°C:** The blend of base fluids and additives overcome the '72-hours' low temperature gelling problem associated with vegetable oil based biodegradable fluids
- **Reduced sticky deposits from accidental spills:** Synthetic ester overcomes the sticky deposit problem associated with vegetable oil-based fluids
- **Significant renewable resource content:** Blended with a mixture of canola oil, a renewable resource, and synthetic ester, manufactured using a portion of renewable resource
- **Excellent lubricity:** Testing in industry standard Vickers V104C and 35VQ25 vane pumps indicate very low wear under severe test conditions. Shell Naturelle HF-M has excellent viscosity in service, minimizing down-time and increasing productivity.

Shell Naturelle HF-E

- **Readily Biodegradable:** Breaks down quickly and extensively in the environment to ultimately yield carbon dioxide and water as end products. Shell Naturelle HF-E 46 meets the Swedish Standard SS 15 54 34.
- **Excellent viscosity/temperature characteristics:** Minimum change of viscosity with variation in operating temperature, giving true multigrade characteristics
- **High shear-stability:** 'Stay-in-grade' characteristics ensure effective lubrication and efficient system operation
- **Excellent corrosion protection:** Long-term protection for common construction materials, including most metals, non-metals and seal materials such as Viton®
- **Good oxidation resistance:** Resists oxidation when operating at high temperatures
- **Optimum wear protection:** Effective from low to severe duty operating conditions.

Naturelle HF-M and HF-E available in pails and drums.

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For more information please visit our Web site www.shell.ca/lubricants or call 1.800.661.1771.



'Shell Lubricants' refers to the various Shell companies engaged in the lubricants business.