



Formerly Known As: Ecosafe EAL 100ST

Shell Stern Tube Lubricant 100

Fire Resistant (HFDU) Hydraulic Fluid

Shell Stern Tube Lubricant 100 is produced from biodegradable base stocks and can replace traditional mineral oil hydraulic fluids in systems with little to no equipment modifications and minimal downtime to provide outstanding performance across a wide range of conditions. Shell Stern Tube Lubricant 100 fluids can be relied on to provide optimal performance in a wide range of outdoor climates, across a wide temperature operating window.

DESIGNED TO MEET CHALLENGES

Typical Physical Characteristics

Properties	Method	Shell Stern Tube Lubricant 100
ISO Viscosity Grade		100
Kinematic Viscosity @40°C	mm ² /s	ASTM D445 107.6
Kinematic Viscosity @100°C	mm ² /s	ASTM D445 14.1
Viscosity Index		ISO 2909 132
Density @15°C	g/cm ³	ASTM D1298 or D4052 0.842
Flash Point	°C	ASTM D92 230
Fire Point (COC)	°C	ASTM D92 244
Pour Point	°C	ASTM D97 -51
Water Separation	minutes	ASTM D1401 15

These characteristics are typical of current production, variations in these characteristics in future production may occur.

Health, Safety & Environment

• Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from <https://www.epc.shell.com>

• Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- Advice on applications not covered here may be obtained from your Shell Representative.