



Shell Barrier Fluid

Premium High Viscosity index Fluid

Shell Barrier Fluid is a premium high viscosity index synthetic fluid for use as a barrier or buffer fluid in various seals where the fluid must lubricate and dissipate the heat from the seal area.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Excellent low temp fluidity and high temperature stability
- Excellent heat dissipation properties
- Non-corrosive to metals

Main Applications

- Seals requiring a barrier or buffer fluid
- Seals requiring a light seal oil
- Seals where heat dissipation is critical

Specifications, Approvals & Recommendations

- Field Tested

Field tested under actual operating conditions

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties			Method	Shell Barrier Fluid
Appearance				Clear and Bright
Kinematic Viscosity	@40°C	cSt	ASTM D445	5.5
Kinematic Viscosity	@100°C	cSt	ASTM D445	1.75
Kinematic Viscosity	@-40°C	mm ² /s	ASTM D446	208
Flash Point	COC	°C	ASTM D92	160
Pour Point		°C	ASTM D5950	-60
Density	@15°C	g/cm ³	ASTM D4052	0.798

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Health, Safety & Environment

- Health and Safety

Shell Barrier Fluid 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 your Shell representative.

- Protect the Environment

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

Additional Information

- **Advice**

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