



Shell Irus C-NA

Diethylene glycol based fire resistant hydraulic fluid

Shell Irus Fluid C-NA is a water solution of diethylene glycol and an effective additive package. In addition to water (approximately 40%) and glycol it contains a combination of anti-wear agents and rust inhibitors designed to make it suitable for use in a wide variety of hydraulic systems.

Shell Irus Fluid C-NA protects high pressure pumps from excessive wear. This product also offers good rust protection both in the fluid immersed sections of the system and in the vapor spaces where condensed water typically collects.

Shell Irus Fluid C-NA is foam resistant and shear stable. Its higher specific gravity allows any oil contamination to float on the surface where it can be removed by conventional skimming equipment. Low temperatures are not a problem since the product's glycol content protects against freezing.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Fire resistance for improved safety
- A distinct red color for easy identification
- Protection against rust, corrosion and wear
- Excellent heat dissipation characteristics
- A true solution that does not separate in service
- Protection against low temperature freezing

- Die casting equipment
- Welding machines
- Molten metal handling devices
- Continuous casters
- Hot strip mills
- Slag granulators
- Hot metal presses

Main Applications

- Hydraulically operated oven and furnace doors

Specifications, Approvals & Recommendations

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

Typical Physical Characteristics

Properties	Method	Shell Irus Fluid C-NA
Product Code		65533
Appearance		Orange-Pink
Specific Gravity 60/60°F	ASTM D1298	1.09
Water, Vol % vy Deg Brix		40
Pour Point °F	ASTM D97	-90
Viscosity @40°C cSt	ASTM D445	40
Viscosity @100°F, SU SUS	Calculated	205
pH		9.5
Brix Reading, AO Model 10431 Refractometer		44.5

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**

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**

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