Technical Data Sheet

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

Main Applications

- Hydraulically operated oven and furnace doors
- Die casting equipment
- Welding machines
- Molten metal handling devices
- Continuous casters
- Hot strip mills
- Slag granulators
- Hot metal presses

Specifications, Approvals & Recommendations

- Factory Mutual

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 (USA Only)
Product Code				65533
Appearance				Red
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	Calc.	205
pH				9.5
Brix Reading, AO Model 10431 Refractometer				44.5

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

Heath, Safety & Environment

- Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from http://www.epc.shell.com/
- **Protect the Environment**

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

Additional Information

- **Advice**

  Product recommendations for applications and specifications not covered here may be obtained from your Shell representative.