

IPOL SAFE 607

Description:

IPOL SAFE - 607 is a premium grade fire resistant hydraulic fluid based on premium grade water glycol. The possible fire hazard due to rupture of the lines near the hot operating area is a common danger that can lead to a combustible flow of oil in to heat sources causing a danger of fire. IPOL SAFE - 607 is primarily developed to counter the possible hazard and counter the same with safety from fire. IPOL SAFE - 607 is extremely oil fluid and fortified with performance chemicals to improve the corrosion resistance, increase in fluid life and also improving the pump life. The high Viscosity Index ensures high hydraulic efficiency. The product is stable under high shearing operating stresses. **The product is having unique red color for identification and is also available in different viscosity range.**

Salient Features:

Generally the product is useful in every application of hydraulic system but specifically to be used near danger area of high heat. The main tank should be maintained at a temperature below 48°C.

Application: The product is suitable for,

Foundry Machines	Die Casting Machines
Furnace Chargers and Dischargers	Furnace Door Controllers
Ladle Toppers	Hot Strip/Road Mills
Rolling Mills	Carriage Pushers
Electrode Lifters	Tilt Mechanisms
Extrusion Presses	Forging Presses
In general for all applications where there is fear of fire due to probable hydraulic leakage	

Product Data

Typical Results: IPOL SAFE 607

Characteristics	Test Methods	Results
	IS 1448	
Viscosity @ 40° C, cSt	P:25	45
Specific Gravity at 20°C	ASTM D 1298	1.075
Flash Point	P -69	Not Applicable
Fire Point	-	Not Applicable
Color	Visual	Red
Specific Heat at 15.6 °C	-	0.71

Advantages

- Safety from Fire
- Non explosive
- Good Lubricity
- Good stability in operating conditions
- Good corrosion resistance
- High Viscosity Index
- Non Toxic

Change Over From Petroleum Hydraulic Oil to Fire Resistant Hydraulic Oil is to be done carefully. The system should be cleaned thoroughly before IPOLSAFE - 607 is to be poured. It is recommended that the sample should be checked for pH, viscosity after 48 hours of initial starting. The pH should be maintained between 8 to 10 that would ensure safety from Corrosion. The viscosity should be adjusted only by adding distilled water.

Product Data

Precautions:

- No paint to be used inside the tank.
- Filter Media should be compatible with alkaline media.
- Filter can be of 3 to 5 μ .
- Strainers should be having > 60 mesh size.
- Can be used for Vane/Piston/Gear Pumps.
- Compatible with all ferrous alloys, Cu Alloys but Not Compatible with Al, Zn, Lead. Aluminium components can be used after anodizing.
- Not compatible with Cork, Leather and Polyurethane.