

TECTYL HF 46

Biodegradable & Flame Retardant Hydraulic Fluid

Introduction

Tectyl HF 46 is a synthetic, fire resistant hydraulic fluid of the polyol ester family. Designed and formulated to be chemically stable, it provides dependable industrial hydraulic service in areas of end use where operation conditions place severe physical demands on the hydraulic fluid medium.

Tectyl HF 46 is characterized by natural thermal stability, good viscosity/temperature relationship and effective lubrication characteristics. Further, it is a formulation, determined by research and confirmed by field service, to yield the best performance in the important areas of corrosion protection, metal passivation, oxidative inhibition and hydrolytic stability.

Tectyl HF 46 is a versatile product with numerous functional advantages including high temperature operational capabilities due to significant auto ignition temperature values, high boiling, flash and fire points, and its resistance to ignition.

Features

- Flame retardant Hydraulic fluid
- No harmful to body and good Biodegradable
- High Viscosity Index
- Cleaning fluid for Servo Valve
- Good shear stability
- Great Thermal, oxidation stability
- High lubrication
- Excellent wear protection
- Korea Pat. No. 88842, 169565, 201759, 364853

Application

The performance of Tectyl HF 46 is being developed in the Hydraulic equipment of high pressure, heavy weight and severe ambient condition.

- Die-casting, Injection machine, Press
- Hydraulic equipment with Servo valve
- Heavy machinery for still making and construction, Machine tool
- Outdoors machine
- Pump
PISTON PUMP, VANE PUMP, GEAR PUMP etc.
- MOTOR
PISTON MOTOR, VANE MOTOR, GEAR MOTOR etc.

Physical Properties

| | | |
|----------------------------|-------------|-------------|
| Specific Gravity (15/4°C) | 0.91 | ASTM D 1298 |
| Viscosity (cSt, @40°C) | ISO VG 46 | ASTM D 445 |
| Viscosity Index | Min. 180 | ASTM D 2270 |
| Flame Flash Point (°C) | Min. 280 | ASTM D 92 |
| Retardant Fire Point (°C) | Min. 320 | ASTM D 92 |
| Color | Clear amber | Appearance |
| Rust Test | Pass | ASTM D665A |
| Pour Point (°C) | Max. -30.0 | ASTM D 97 |
| Oxidation Stability (RBOT) | Min. 180 | ASTM D 2272 |

Seal & Packing Viton, Silicon, Teflon etc.

Package, Shipment & Life-Time

Tectyl HF 46 is shipped in 20 liter pail 200 liter drum or bulk and its life time is 12 months.