



SUPER HYRANDO

HIGH PERFORMANCE ANTI-WEAR HYDRAULIC FLUID

SUPER HYRANDO is a hydraulic fluid with superior antiwear characteristics for use in all types of hydraulic equipment. When used in a high-pressure pump, SUPER HYRANDO not only provides excellent wear-prevention but also antiseizure protection during shock loading. SUPER HYRANDO also has superior oxidation and thermal stability. Special additives ensure that this product remains stable even under high-heat and moisture conditions.

SUPER HYRANDO can be called a high-grade anti-wear hydraulic fluid that provides the rust and oxidation stability of most all R&O-type fluids. It is suited for use in all types of hydraulic pumps and motors, from low to high pressure, and will maximize the operating performance in any type of hydraulic machinery.

● SPECIAL FEATURES

1. Excellent Wear Protection

SUPER HYRANDO has superior anti-wear characteristics to prevent wear on modern high-pressure, high-performance pumps and valves. It also greatly reduces the amount of wear and scuffing in heavily loaded hydraulic system components.

2. Wide Operating Temperature Range

SUPER HYRANDO has a high viscosity index and low pour point so that temperature-related viscosity change is low. Accordingly, this product functions well through a wide range of temperatures.

3. Superior Rust Protection

SUPER HYRANDO helps prevent corrosion through-out the entire hydraulic system with its advanced anti-corrosion properties.

4. Superior Oxidation and Thermal Stability

SUPER HYRANDO is protected against oxidation and thermal degradation even in hydraulic systems with severe operating conditions.

5. Long Service Life

SUPER HYRANDO has superior shearing stability so that there is almost no change in viscosity even during extended periods of use.

● GRADES

The various grades of SUPER HYRANDO are divided into different grades according to their kinematic viscosity measured at 40°C

The optimum viscosity for a hydraulic fluid depends on the type of the pump employed and the specific operating conditions of each system. Also, always remember to select a hydraulic fluid that matches the pump manufacturer's recommendations.

There are six grades of SUPER HYRANDO with viscosities ranging from ISO VG 22 to ISO VG 150.

● APPLICATIONS

A full range of viscosity grades allows for the use of this product in metal bending and machining equipment, extrusion presses, injection presses, machine tools, construction equipment, marine deck equipment, cargo machinery, mining machinery and many others.

● SHIPPING CONTAINERS

200-liter drums and 20-Liter cans.

SUPER HYRANDO TYPICAL TEST DATA

ISO Viscosity Grade		22	32	46	68	100	150
Viscosity (40 °C)	mm ² /s	22.0	32.5	46.5	69.5	98.3	154
(100 °C)	mm ² /s	4.35	5.68	6.98	9.34	11.4	15.7
Viscosity Index		105	107	103	104	102	105
Flash Point (COC)	(°C)	216	226	242	258	276	278
Pour Point	(°C)	-35	-32.5	-27.5	-25	-25	-20
Rust Test (distilled and sea water, 24h)		pass	pass	pass	pass	pass	pass
Oxidation Stability (120 °C, 70h)		pass	pass	pass	pass	pass	pass
Copper Corrosion (100 °C, 3h)		1a	1a	1a	1a	1a	1a



Handling Precautions

▼ Follow the following precautions when handling this product.

- Read this product's Material Safety Data Sheet before using the product.
- Obey all applicable laws and regulations concerning the handling and disposal of this product, particularly laws and regulations related to fire safety, the treatment and disposal of waste and sewage, the prevention of water and ocean pollution, and workplace safety and hygiene.
Please request the Material Safety Date Sheet where you purchased this product.

IND-4001-0206E