

# HYRANDO WIDE KV46(N)

Anti-wear hydraulic fluid for high-pressure hydraulic equipment

**HYRANDO WIDE KV46(N)** is hydraulic fluid that exhibits excellent anti-wear performance in high-pressure hydraulic equipment such as construction machinery and large industrial machinery. **HYRANDO WIDE KV46(N)** is a long-life type hydraulic oil that has excellent oxidation stability and thermal stability and it produces less sludge.

## ● Special Features

### 1. Outstanding anti-wear protection

**HYRANDO WIDE KV46(N)** is formulated with zinc-free extreme pressure additives with exceptional anti-wear properties, to protect against wear problems in high-pressure hydraulic pumps.

### 2. High oxidation stability and thermal stability

Formulated with highly refined base stock and high-performance antioxidants, **HYRANDO WIDE KV46(N)** stands up to high temperatures with minimal sludge formation. This helps prevent problems of malfunctioning valves and blocked filters.

### 3. Excellent low temperature performance

**HYRANDO WIDE KV46(N)** has excellent low temperature fluidity, so the hydraulic system can be started smoothly in cold regions.

### 4. Excellent anti-rust property

**HYRANDO WIDE KV46(N)** has excellent rust prevention performance, so it prevents rust generated in the hydraulic system.

### 5. Excellent anti-stick-slip properties

**HYRANDO WIDE KV46(N)** contains an anti-stick-slip additive to reduce abnormal noise from hydraulic cylinders.

### 6. Superior brake torque performance

**HYRANDO WIDE KV46(N)** has excellent brake torque performance and prevents various problems of hydraulic brakes.

## ● Applications

High-pressure hydraulic equipment for construction machinery, large industrial machinery, industrial vehicles, etc.

## ● Containers

Tank trucks, 200 liter drums & 20 liter pails.

## ● Typical properties of HYRANDO WIDE KV46(N)

Color	(ASTM)		L0.5
Density	(15 °C)	g/cm <sup>3</sup>	0.855
Kinematic viscosity	(40 °C)	mm <sup>2</sup> /s	46.2
	(100 °C)	mm <sup>2</sup> /s	7.58
Viscosity index			130
Pour point		°C	-37.5
Flash point	(COC)	°C	244
Acid number		mgKOH/g	0.06
Copper strip corrosion test (100 °C, 3h)			1
Rust prevention (Artificial seawater, 24h)			No rust

Note: The typical properties may be changed without notice. (January 2014).



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil(s), Additives
<b>Precautionary pictograms:</b>	Not applicable
<b>Signal word:</b>	Not applicable
<b>Hazard Statement:</b>	Harmful to aquatic life Harmful to aquatic life with long lasting effects
<b>Precautionary Statements:</b>	<ul style="list-style-type: none"><li>• Do not handle until all safety precautions have been read and understood.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Do not allow the eyes to become exposed to the product. Do not swallow the product.</li><li>• Avoid release to the environment.</li><li>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<b>Prevention</b>	
<b>Response</b>	<ul style="list-style-type: none"><li>• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.</li><li>• IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.</li><li>• If the eyes are exposed to the product: Rinse the eyes with plenty of running water and immediately contact a physician.</li><li>• IF ON SKIN: Wash with plenty of soap and water.</li></ul>
<b>Storage</b>	<ul style="list-style-type: none"><li>• The product must be stored in a cool, well-ventilated location where it will not be exposed to direct sunlight.</li><li>• Containers that have been opened must be tightly sealed.</li></ul>
<b>Disposal</b>	<ul style="list-style-type: none"><li>• Dispose of contents/container in accordance with local/regional/national/international regulations.</li><li>• If there are any doubts about proper methods of handling the product, contact the point of purchase before proceeding with usage.</li></ul>