

IND-4011-2104E

# SUPER HYRANDO EV 32

## Low odor hydraulic oil for elevator

**SUPER HYRANDO EV 32** is a low odor type hydraulic oil which is formulated with a highly hydrocracked base oil and ashless additives to make sludgeless prone to use over a long period of time. It is the optimum hydraulic fluid, especially for hydraulic equipment where odor is a problem like a hydraulic elevator.

### ● SPECIAL FEATURES

#### 1. Small Odor

Odor of general anti-wear type hydraulic fluid is often caused by anti-wear agent and antioxidant, and it becomes particularly strong not only for fresh oil but also for used oil.

**SUPER HYRANDO EV 32**, in which both base oil and additives are carefully selected for use with less odor, is also improved in thermal stability. For this reason, it minimizes odor which gives offensive feeling not only for fresh oil but also for long-term use.

#### 2. Excellent Oxidation and Thermal Stability

**SUPER HYRANDO EV 32** is superior in oxidation stability to conventional zinc-base anti-wear hydraulic fluid by formulating with highly hydrocracked base oil and carefully selected additives.

#### 3. Excellent Temperature Characteristics

**SUPER HYRANDO EV 32** has a high viscosity index and low pour point so that temperature-related viscosity change is low.

It exhibits stable performance over a wide temperature range from low temperature to high temperature.

#### 4. Excellent Wear Protection

**SUPER HYRANDO EV 32** prevents wear in the pump and system over a long period of time due to excellent anti-wear properties, and always keeps accurate operation.

#### 5. Less Influence on Seal Material

**SUPER HYRANDO EV 32** has a high aniline point due to the combination of carefully selected base oil and additives and has little influence on rubber seal material.

#### 6. Superior Rust Protection

**SUPER HYRANDO EV 32** prevents rust from being caused by moisture mixed in the hydraulic

system because it contains an excellent rust preventive additive.

### ● APPLICATIONS

Hydraulic equipment for hydraulic elevator

### ● SHIPPING CONTAINERS

200-liter drums and 20-liter cans

### ● TYPICAL PROPERTIES OF SUPER HYRANDO EV 32

Appearance			Light yellow, Liquid
Color	(ASTM)		L0.5
Density	(15 °C)	g/cm <sup>3</sup>	0.851
Kinematic viscosity	(40 °C)	mm <sup>2</sup> /s	32.6
	(100 °C)	mm <sup>2</sup> /s	6.07
Viscosity index			135
Flash point	(COC)	°C	236
Pour point		°C	-32.5
Aniline point		°C	115
Acid number		mgKOH/g	0.01
Copper strip corrosion (100 °C, 3h)			1
Rust test (distilled water, 60°C, 24 h)			No rust

Note: The typical properties may be changed without notice.  
(June 2002)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil, Additives
<b>Precautionary pictograms:</b>	Not applicable
<b>Signal word:</b>	Not applicable
<b>Hazard Statement:</b>	Not applicable
<b>Precautionary Statements:</b>	
<b>Prevention</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>• Wash hands thoroughly after handling.</li><li>• Do not eat, drink or smoke when using this product.</li></ul>
<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>