

# RELIACUT GC32

## Chlorine-free anti-mist cutting oil and Hydraulic oil

**RELIACUT GC32** is a gear cutting oil that also provides excellent performance as a hydraulic oil for machine tools. Compared with commercial products that are based on organic molybdenum, **RELIACUT GC32** offers much improved pumping ability, safety and cutting performance. **RELIACUT GC32** also improves the working environment by suppressing the formation of stray mist.

### ● Special Features

#### 1. Excellent Grinding Performance

Since **RELIACUT GC32** is blended with organic phosphorus extreme-pressure agents and special friction modifiers, it provides improved grinding performance in grooving grinding operation for hardened gears, ball screws, tools, etc., where high surface accuracy is required.

#### 2. Excellent Anti-mist Performance

**RELIACUT GC32** contains special mist inhibitor that suppresses oil mist generated during the machining, thus improves the working environment.

#### 3. Visualization of the Machining Point

The machining point can be seen easily, because of the reduced floating mist and thin fluid color on the machining point.

### Precautions for Use

Large amount of water may cause the additives to separate from the oil, so do not allow water to become mixed with this oil.

### ● Applications

Suited for gear cutting processing at gear hobbing machine and hypoid gear molding gear cutting machine

### ● Containers

200-liter drums and 20-liter cans

### ● Typical Properties of RELIACUT GC32

Appearance		Light yellow, Liquid
Color(ASTM)		L0.5
Density		0.877
Kinematic viscosity(40°C)	mm <sup>2</sup> /s	32.7
Kinematic viscosity(100°C)	mm <sup>2</sup> /s	5.76
Flash point(COC)	°C	214
Pour point	°C	-35
Acid number	mgKOH/g	3.22
Copper corrosion(100°C, 1h)		1
Fatty content	mass%	-
Sulfur content	mass%	0.47

Note: The typical properties may be changed without notice. (February 2012)



## Handling Precautions

▼ Follow these precautions when handling this product.

<b>Composition :</b>	Base Oil, Additives
<b>Precautionary pictograms:</b>	
<b>Signal word:</b>	Warning
<b>Hazard Statement:</b>	Causes serious eye irritation
<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>• Obtain special instructions before use.</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><li>• IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.</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>