

RELIACUT GC32

Chlorine-free Anti-mist Water-insoluble Cutting Oil
(also usable as hydraulic oil and gear cutting oil)

RELIACUT GC32 is a gear cutting oil that also provides excellent performance as a hydraulic oil for machine tools. Compared with commercial products blended with organic molybdenum, **RELIACUT GC32** offers significantly improved pumping ability, safety and cutting performance. Additionally, **RELIACUT GC32** improves the working environment by suppressing the formation of floating mist during machining.

● SPECIAL FEATURES

1. Excellent Grinding Performance

Because **RELIACUT GC32** is blended with well-selected phosphorus type extreme-pressure agents and special friction modifiers, it exhibits excellent grinding performance in grooving operation for high hardness gears, ball screws, tools, etc., where high surface accuracy is required.

2. Excellent Anti-Mist Performance

RELIACUT GC32 contains special mist prevention agents that reduce the amount of oil mist formed during machining. Thus, improved working environment would be obtained.

3. Visualization of the Machining Point

RELIACUT GC32 enables users to observe the machining point easily because of the reduced floating mist and light oil color.

● APPLICATIONS

Suited for gear cutting processes on hobbing machines and hypoid gear shaping machines

● CONTAINERS

200-liter drum and 20-liter pail can

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.

● TYPICAL PROPERTIES OF RELIACUT GC32


Appearance			Light yellow, Liquid
Color	(ASTM)		L0.5
Density	(15°C)	g/cm ³	0.880
Kinematic viscosity	(40°C)	mm ² /s	33.6
Flash point	(COC)	°C	214
Pour point		°C	-37.5
Acid number		mgKOH/g	3.02
Copper strip corrosion	(100°C, 1h)		1

Note: The typical properties may be changed without notice. (October 2024)



Handling Precautions

▼ Follow these precautions when handling this product.

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