

JINEN 2T(N)

Environmentally Friendly Two-Stroke Engine Oil

JINEN 2T(N) is a biodegradable engine oil for two-stroke engines that was developed to be gentle to the global environment and also the engines. The oil's biodegradability means that its organic chemical compounds are broken down by bacteria in water and soil to form carbon dioxide, water, and bacterial cells. Because of the structure of two-stroke engines, small amounts of unburned oil are emitted to the atmosphere together with the exhaust gas. The biodegradability of unburned **JINEN 2T(N)** is just as highly degradable as the new oil, so it helps to protect the surrounding environment. **JINEN 2T(N)** has performance of NMMA TC-W3 of outboard motor oil, and is especially effective against high temperature detergency and lubricity. Therefore, **JINEN 2T(N)** is also applicable to air-cooled engines used for snowmobiles, chainsaws and generators.

● Special Features

1. Outstanding Cleanliness

In order to maintain the initial performance of an engine, it is essential to have good cleanliness and lubrication. Oils with poor cleanliness performance cause contamination of the piston and exhaust systems, resulting in lower output, deposits on the piston and cylinder heads that cause poor heat dispersion and abnormal combustion, and ignition loss due to dirty spark plugs. To prevent these problems, **JINEN 2T(N)** possesses outstanding cleanliness. This cleanliness performance has been confirmed not only in dynamometer engine tests using air-cooled and water-cooled motorcycle engines but also in tests run by manufacturers using actual engines and boats. The test results showed superior cleanliness in the combustion chambers, around the pistons, and in the exhaust system.

2. Higher Output

JINEN 2T(N) provides good lubricity by maintaining a oily film on the sliding parts of the piston liners and in bearings throughout the engine operation, so the engine output is higher than with regular oils.

3. Little Bearing Corrosion and Wear

With outboard motors and water bikes, it is impossible to avoid moisture contamination completely, and when combined with the acidic substances contained in the exhaust gas, the moisture can cause bearing corrosion. **JINEN 2T(N)** indicated outstanding anti-corrosion and anti-wear performances by actual boat tests.

● Applications

Outboard motors, water bikes, snowmobiles, chainsaws, brush cutters, generators and others

● Mixed Lubrication Method (Premixing of Gasoline and Oil)

Please refer to the blending ratio recommended by the engine manufacturer. In the absence of a designation by the blending ratio, **JINEN 2T(N)** is recommended to be used at a gasoline/oil ratio of 25–30 to 1.

● Containers

200-liter drums and 1-liter cans (x 20).

● Typical Properties of JINEN 2T(N)

Color	(ASTM)		L1.0
Density	(15°C)	g/cm ³	0.934
Viscosity	(40°C)	mm ² /s	50.25
	(100°C)	mm ² /s	8.883
Viscosity index			158
Flash point	(COC)	°C	166
Pour point		°C	<−45
Acid number		mgKOH/g	0.33
Base number(D664)		mgKOH/g	4.98
Sulfated ash		mass%	0.00

Note: The typical properties may be changed without notice. (Dec.2013)



Handling Precautions

▼ Follow these precautions when handling this product.

Composition :	Base Oil, Additives
Precautionary pictograms:	Not applicable
Signal word:	Not applicable
Hazard Statement:	Not applicable
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.
Prevention	
Response	<ul style="list-style-type: none">• IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.• 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.
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.