



# ROIL Fuel Treatments

## Frequently Asked Questions



### **Which ROIL product will give me the greatest benefit?**

Using both ROIL products appropriate to your vehicle (metal conditioner and fuel additive) will provide the best result as all working parts are being treated and can work efficiently.

### **What can ROIL products be used for?**

Automobiles, motorcycles, trucks, buses, tractors, lawn mowers, hedge cutters, motor boats, machinery, sewing machines, etc., almost anything that has moving parts.

### **Is there a chance of any carcinogenic bi-products forming from the use of ROIL?**

No.

### **Do the ROIL additives have anything to do with fluorohydrocarbons which may damage the ozone layer?**

No.

### **How long does it take for the metal to be treated?**

ROIL starts working immediately. Optimum results will be seen after 125-175 miles.

### **Do the ROIL Treatment products have a shelf life?**

ROIL stays stable and viable for years.

### **Are ROIL products affected by temperature?**

ROIL products are temperature stable, both hot and cold.

### **What are the freezing and boiling points of ROIL?**

The freezing point is 20° F/- 7° C; the boiling point is 348° F/ 175° C.

### **Does the ROIL Additive mix with vegetable based two stroke oil?**

Yes.

### **Can the percentage of two stroke oil to petrol be reduced once ROIL has been added?**

No, the two stroke oil is still required for lubrication in accordance with manufacturers specifications.

### **How much ROIL Lower Engine Additive do I put in my 4 stroke engine?**

Use a 13:1 ratio, if your engine holds 1.5 litres of engine oil, add 115 ml of ROIL Gold Metal Conditioner and repeat every second oil change.

### **Is ROIL suitable for use with hydraulic systems?**

Yes, it is miscible in hydraulic fluid. We would recommend adding ROIL at a ratio of 1-2 parts per 100 (1-2 ml of ROIL to every 100 ml of hydraulic fluid.)



### **Can I use ROIL additives in my motorcycle which has a wet clutch?**

Although some distributors have used the product with no problems, we feel doing so is of no value. "Wet clutches" require friction to operate and as ROIL is designed to reduce friction, there would be no need to add ROIL.

### **Can you use ROIL Lower Engine Additive for LPG (Liquid Propane Gas) engines?**

Yes, if your vehicle runs on LPG, the ROIL Metal Conditioner works just fine.

### **Is ROIL suitable for limited slip differentials?**

No specific testing has been carried out to date, however a number of Distributors have added ROIL and they have experienced no side effects.

### **Are ROIL products suitable for the aviation industry?**

The aviation industry has rigid specifications and potential users should carry out their own investigation and seek approval from manufacturers.

### **If the owners of older cars use unleaded petrol in them, would ROIL assist in any way?**

Yes, the use of ROIL will reduce friction. The reduction of friction and lubrication is the major reason for incorporation of lead into fuel. Some vehicles require less lubrication. However, some vehicles require greater amounts of lubrication and the ROIL treatment would be very beneficial in these vehicles. The ROIL Fuel Additive would also help condition the piston and the sleeves, thereby lessening the need for lubrication derived from leaded fuels.

### **Can ROIL cause a drop in oil pressure?**

In some older cars the oil pressure may drop briefly while the ROIL begins working, but within a short time it should increase to normal.

### **How does ROIL affect cylinders that have been re-bored?**

ROIL does not form any physical teflon fused type bond as PTFE products. It is composed of all pure petroleum oils and detergent products to penetrate and treat the pores of all metal it comes into contact with. A new chemical compound with a lower coefficient of friction is formed. Engines treated with ROIL can be re-bored when needed.

### **Does ROIL contain silicone?**

No.

### **Can ROIL products pass through a 3 micron filter?**

Yes.

### **Can ROIL be used in brake fluid?**

No.



### **How do you apply the ROIL products in marine motors considering that a small amount of salt water gets into the motor? How does ROIL interact with salt water?**

ROIL does not mix with salt water and does not protect or prevent salt water damage from occurring. ROIL products can be used in all types of marine engines.

**Will using ROIL void car warranties?**

ROIL does not void warranties. If in doubt, please check with the manufacturer.

**Will the ROIL Treatments wash off with water-based fluids or emulsified oils?**

ROIL treatments chemically bond with the metal being treated, therefore they are not washed off by water-based fluids or emulsified oils.

**Can wheel bearings be soaked in ROIL before being packed in grease?**

This is an excellent idea - soak the bearings in ROIL first.

**Does ROIL work equally well on white metal, copper, and lead as well as on standard roller and ball bearings?**

The treatment is specifically designed for steel and iron, and works less effectively on copper or lead.

**Are commercial quantities available?**

Yes, commercial quantities are available in 19 litre containers.



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