

## **FAQs**

### **What is X-1R Engine Treatment?**

X-1R Engine Treatment is a liquid synthetic metal conditioner that reduces friction and wear in your engine. X-1R is non-hazardous, non-flammable and environmentally-friendly.

### **How do I use X-1R Engine Treatment?**

X-1R Engine Treatment is specifically formulated and designed for use in all average size cars, RV's, 4WD, high cc motorbikes and light trucks. For optimum performance add one bottle, 240ml of Engine Treatment up to 5 litres of oil capacity when you service your engine. For engines with higher oil capacities we recommend you use X-1R Engine Treatment at 5% to volume of oil.

### **Can I use X-1R Engine Treatment in my brake system?**

No, X-1R Engine Treatment is not a hydraulic fluid and is not designed to be used in any braking systems.

### **Can I use X-1R in all of my vehicles?**

Yes X-1R has a range of products designed for different types of engines and vehicles. Visit [www.x1r.com.my](http://www.x1r.com.my) or call +603 4260 3852 for more information

### **Will using X-1R Engine Treatment void my warranty?**

No. X-1R is not listed on any void list from any manufacturer. Every manufacturer recommends a specific grade of lubricant for use in their vehicles or equipment; this grade classification is known as an A.P.I. rating (American Petroleum Institute). Lubricants have a certain performance limitation. The important thing to remember is the manufacturer is not concerned with the brand of lubricant you use as long as it has the proper A.P.I. rating recommended by the manufacturer. As long as the consumer is using the proper A.P.I. rated fluid, the warranties will not be voided by adding X-1R. X-1R is compatible with all A.P.I. - rated fluids.

## **Why do I need to use X-1R Engine Treatment?**

It is a fact that all oils, synthetic and mineral based deteriorate over time, producing sludge and harvesting other harmful contaminants which reduce the performance of your engine. X-1R additives are scientifically proven to treat the metal not the oil. X-1R Proven space technology is formulated to improve performance, increase engine life, fuel mileage while protecting your engine from harmful dirt, carbon deposits and sludge caused by synthetic and mineral, molybdenum (moly), PTFE (Teflon) based oil blends.

## **Is X-1R Engine Treatment compatible with all engine oils?**

Yes, X-1R Engine Treatment is compatible with all other lubricants and additives both synthetic and mineral based. The X-1R Corporation cannot control or guarantee the condition or service of vehicles prior to using X-1R. The X-1R Corporation can guarantee that X-1R protects and out-performs any other friction reducing additive on the market. With proper maintenance of equipment and the use of the X-1R additives, equipment life will always be extended.

## **Why doesn't X-1R make the same claims P.T.F.E.-based lubricants?**

Most P.T.F.E.-based lubricants claim they last 50,000 miles, this claim is a marketing gimmick. There is no evidence to support this outlandish claim. From an engineering point-of-view, the claim is completely groundless.

## **Why is X-1R Engine Treatment superior to P.T.F.E.-based lubricants?**

X-1R engine Treatment is free of any particulates and is non-clogging. It does not modify the viscosity characteristics of the host oil. It treats the metal surface at the molecular level and reduces surface roughness and increases surface hardness. X-1R can withstand temperatures greater than 500oF/260oC without breaking down.

## **To what standards does X-1R conform?**

X-1R conforms to ASTM test procedures for fuel economy, compatibility and co-efficiency of friction standards.