

INSTRUCTIONS FOR USE

Treating your equipment

How much do I use?

Please refer to the Chart to determine the optimum quantity.

Remove the oil filler cap and add the required amount. ZX1 is not an "oil additive", when "added" ZX1 purely uses existing oil to transport it's minute molecules to the metal wearing surfaces.

At normal operating temperature the ZX1 cleans and treats your equipment by impregnating and thermally bonding to the wearing surfaces without compromising any design tolerances. A 15 to 20 minute drive completes this simple treatment.

ZX1 can be applied even without having to change your oil with the same instantaneous protection. It loosens any dirt and sludge that has accumulated so that when you next change your oil, that dirt is also drained out of your engine. 4-stroke motorcycles are treated in the same way as a car. ZX1 works with any petrol or diesel engine, turbo or non-turbo.

You now have cold/dry start protection.

It is generally accepted that most wear occurs during start up because cold, viscous oil has not been circulated and bare metal surfaces are rubbing together.

By treating with ZX1 you eliminate the problem of metal to metal contact and it follows that ZX1 reduces the workload of the oil thereby extending it's serviceable life.

Does ZX1 build on itself making a thick coating?

No, ZX1 is designed to form an extremely hard wearing substrate film which has no perceivable measurable thickness and will not build on itself to compromise design tolerances, because ZX1 is totally non-particulate it can be universally used in all systems including hydraulics.

Will I lose the ZX1 if I change my oil.

No, ZX1 impregnates and thermally bonds to the wearing surfaces, your engine is protected until the ZX1 is worn away.

My motorcycle has a wet clutch.

ZX1 only treats the metal surfaces and will not affect the composite fibre clutch plate.

How long will the treatment last.

ZX1 has lasted for up to 100,000 miles (160,000kms) however we recommend retreating every 25,000 miles (40,000kms) for the optimum long term benefit.

Can I use ZX1 with synthetic oil.

Yes, ZX1 is compatible with all known oils and will not change the characteristics of your favourite oil.

ZX1 only needs a medium to transport it to the wearing surfaces. ZX1 also works in water, should a head gasket failure occur and water contaminates your oil, ZX1 will continue to protect all the internal moving parts.

A couple of capfuls in the cooling system will help protect the water pump.

What if I add more than recommended?

Don't worry if you add too much, any excess will remain in colloidal suspension within your oil until bare metal is exposed and the reserve ZX1 has to go to work.

Can I use ZX1 in my transmission?

Yes, just add the ZX1 to your transmission oil up to a ratio of 5% to the oil capacity of the gearbox, this also applies to the differential/final drive.

My car has an automatic transmission?

ZX1 is suitable for use in automatic transmissions where no metal to metal friction plates are present, most modern automatics have composite fibre to metal plates. We suggest adding ZX1 at a ratio of 2.5% to the oil capacity of the transmission.

Manufactured to
ISO9002

Nato
Manufacturing Code
U8809

How do I use ZX1 in my fuel tank.

To enhance upper cylinder lubrication and help reduce harmful emissions we suggest the following: initial treatment add 10ml per 10 litres of fuel. Add ZX1 then fill up with fuel. Make subsequent treatments at 1000 mile intervals using 5ml per 10 litres of fuel, this is only a suggestion you might feel that your engine would benefit from treatment at shorter intervals, of course any excess will benefit the exhaust system by smoothing the internal surfaces helping exhaust gases to dissipate quicker.

How to treat your two-stroke, motorcycle, out-board motor, chain-saw or lawn mower.

With all two-stroke petrol engines, add a 5% ratio of ZX1 to your existing two-stroke oil, then mix that oil to the petrol as recommended by the oil manufacturer.

With chain-saws, you can also add a 5% ratio of ZX1 to your sticky chain oil. It will keep the saw sharper longer and will make the chain guide bar last longer.

ZX1 can be applied neat on to a motorcycle chain. It will make the chain and sprockets last much longer.

Where else can ZX1 be used?

ZX1 can be used anywhere where friction wear occurs, such as in engineering applications to extend tool life whether milling, grinding or using a lathe. ZX1 can be added to your normal soluble or non-soluble cutting oils as it works as well in water or water-based lubricants as it does with engine lubricants. With wheel bearings, use EXTRALUBE ZX1 high quality synthetic grease that has ZX1 blended into it. It not only protects the bearings but reduces the frictional drag thus helping to save fuel as does ZX1 in the engine, gearbox and axles. ZX1 grease is exceptional with high speed components such as universal joints that require grease.

ZX1 can also be applied to 'dry' lubricate by heat pre-treatment. In excess of 60°C is required to thermally bond ZX1, heat up the component to be treated and apply ZX1 or heat up the component to be treated and immerse in ZX1. The component can be something like a motorcycle chain or a cutting tool for engineering applications.

When reassembling an engine, ZX1 can be used instead of or with the normal assembly oils offering outstanding protection to the metal parts when that engine is first started and continuing through-out its life.

ZX1 tried and tested.

ZX1 has been tested by the most rigorous testing procedures by standard industrial tests that are the benchmark of friction and wear lubrication performance worldwide, such as the Falex Test, Four Ball Test, Timken Test and a variety of others. Performed by: The Atomic Energy Authority, National Centre of Tribology, Inchape Testing Services, Caleb Bret.

All ZX1 products carry a N.A.T.O. Stock Number. ZX1 in only a 5% ratio added to an engine oil out-performed all other lubricants by a big margin and is certainly far more flexible than any other lubricant available today. ZX1 has also been proven in the field by motor racing teams, rally teams, bike racing teams, and many other areas where normal driving has been taken to the extreme.

Fuel treatment guide.

Fuel tank capacity in Litres	Initial treatment in Millilitres	Subsequent treatments in Millilitres
30	30	15
40	40	20
50	50	25
60	60	30
70	70	35
80	80	40

How much ZX1 do I use in my engine?

Engine size in cc	Volume ZX1 in ml
up to 500	125
500 - 1000	150
1000 - 1500	175
1600 - 1900	200
2000 - 2400	225
2500 - 3500	250
3500 - 4200	300
4200 - 4900	350
4900 - 5600	400
5600 - 6300	450
6300 - 7000	500