

PT5/GT5^{PLUS}

ADVANCED FORMULA WITH ETHANOL DEFENCE

CONCENTRATED PETROL/ GASOLINE TREATMENT



FUEL ADDITIVE

WHAT ARE THE PROBLEMS WITH TODAY'S FUEL?

Due to increased demand the quality of fuel has dropped over the years. With the introduction of ethanol blends, lower quality fuel has caused problems for modern vehicles, boats, farming machinery, such as rough running due to build-up of carbon deposits in the combustions chamber and fuel injectors, loss of mileage and fuel economy, wearing of seals and fuel components and increased water in the fuel.

PRODUCT INFORMATION

PT5 / GT5 multi-function treatment solves petrol/gas and ethanol fuel related problems with a detergent, lubricant, surfactant blend, deposit control agent and combustion modifier

Formulated for use in unleaded fuel in all petrol/gas engines (carburetted, fuel injected turbo-charged, 2 stroke or 4 stroke) PT5 / GT5 is a powerful, technologically advanced additive that can assist with easier starting, reduce unwarranted maintenance, reduce exhaust emissions and save fuel costs.

Now with Ethanol Defence, PT5 / GT5 Plus is ideal for use with ethanol-based fuels. Our Ethanol Defence component combines multi-function mileage and performance enhancing features with ethanol protection, superior detergency and the most powerful of water absorbing ingredients available. It solves water problems in ethanol without alcohol.

PT5 / GT5 Plus with Ethanol Defence can be used to treat all grades of unleaded fuel including ethanol. It is suitable for all 2-stroke and 4-stroke engines from the smallest whipper snippers, lawn mowers, outboard motors, motorcycles and cars to the largest petrol/gas engine. It is very beneficial for carburetted, fuel injected, super-charged and turbo-charged engines

Due to Government legislation and the introduction of unleaded fuel car manufacturers have designed new engines to run on unleaded fuel with the result in lower exhaust emissions and a cleaner environment. However, should the spark plugs become fouled or misfuelling occur, the catalytic converter fitted to the vehicle's exhaust system could become poisoned, emitting worse pollution than a car without emission control.

PT5 / GT5 Plus Ethanol Defence is ideal for unleaded cars as it does not contain any phosphorus or metallic compounds to harm the catalytic converter by reducing the unburnt hydrocarbon and monoxide input thereby increasing its life and reducing maintenance costs.

**PT5/GT5 advanced formula with Ethanol Defence is only available in Australia. GT5 available in Canada/USA only.*

FEATURES & BENEFITS

PT5 / GT5 Plus contains 6 active ingredients to keep your engine running at peak efficiency for trouble free operation.

1. SURFACTANT

The Ethanol Defence component in PT5 / GT5 will work immediately to remove water in treated fuel and prevent its build up.

Ethanol fuel pulls water into the fuel wherever it is. This can cause the ethanol to separate from the fuel, stripping the octane from the fuel and leaving a layer of poor quality fuel on top, and ethanol + water on the bottom. If burned, this can cause performance problems at best and engine damage at worst. PT5 /GT5 Ethanol Defence keeps the droplets in suspension and removes water, slowing down the fuel burn rate. The result is more complete combustion and enhanced removal of carbon deposits from the combustion chamber.

This is worst in 2 stroke engines where by ethanol blends can prevent the lubricating oil mixed in fuel to bond with to the engine surfaces providing proper lubrication.

PT5/GT5 Ethanol Defence's blend of stabilizers and water-controllers attack the common causes of ethanol fuel instability; phase separation from water and fuel oxidation. Stored ethanol blends treated with Ethanol Defence stay usable for longer periods of time.

You can trust PT5/GT5 Ethanol Defence to keep your valuable petrol/ gas powered vehicle and equipment running at peak efficiency throughout their life span without out the use of alcohol.

2. DETERGENT

PT5/GT5 detergent and deposit control agents will clean the injectors by removing carbon, varnish and gum deposits, clean fuel injectors and carburettors, eliminate sticky valves and piston rings, clean the entire fuel delivery system and combustion chamber, and restore performance to your vehicle by extending spark plug life. Therefore improving compression, lowering cylinder head temperatures, helping seat piston rings, stopping premature detonation and reducing blow-by.

3. TOP OIL - LUBRICATION

PT5/GT5 super lubricant coats the entire fuel delivery system to protect these parts against corrosive ethanol solvency and prevent wear and corrosion in fuel tanks and exhaust systems. It also lubricates the upper cylinder area, extending engine life, reducing wear and protecting critical engine parts. Increased lubrication by coating valves, valve seats, lower exhaust valve guides and upper piston rings, keeps top rings working freely, lubricates injectors, carburetors and fuel pump

diaphragms for added protection against ethanol effects. It also prevents corrosion in fuel tanks and exhaust systems.

Ethanol fuel blends dissolve rubber, plastic and resin materials wherever the fuel comes in contact. When ethanol dissolves rubber and plastic, those resins are carried in the fuel and deposited into critical areas to cause performance problems and raised emissions, just like regular carbon deposits. Our superior lubricant coats these parts providing exceptional protection.

4. OCTANE ENHANCER

Enhances burn regardless of fuel octane rating. Reduces pinging and detonation.

5. COMBUSTION MODIFIER

The combustion improvers in PT5 / GT 5 minimise pre-oxidation of the fuel in the combustion chamber prior to the spark igniting the fuel mixture. This increases fuel combustion efficiency and horsepower because more fuel is now available for burning at spark ignition.

This also improves fuel consumption and mileage, lowers emissions, improves performance and promotes smoother running engines.

6. ETHANOL DEFENCE

Ethanol Defence removes water in treated fuel and prevents its build up. It stabilises ethanol blends, making them usable for longer. Ethanol Defence protects against ethanol damage and provides superior upper cylinder lubrication, helping to improve mileage and performance by up to 12% or more.

Ethanol Defence combines proven combustion improvement, detergency and alcohol free ethanol protection with the best professional strength water-absorbing ingredients that lands a knockout punch for ethanol without alcohol for the ultimate in performance.

DOSAGE

INDIVIDUAL VEHICLE

Add 20mL PT5/GT5 to 25 Litres of petrol/gas. PT5/GT5 will not correct mechanical defects. For ease of application use EZY-POR. When fuel is purchased from service stations, PT5/GT5 Plus should be added directly to the vehicles fuel tank, preferably just before refuelling.

BULK STORAGE

When refilling a bulk storage tank, add 1 litre of PT5/GT5 Plus for each 1,250 litres of fuel. The PT5/GT5 Plus will quickly disperse throughout the tank. Continuous use can keep tanks and vehicles clear of water and deposits.

COMPOSITION

PT5/GT5 Plus is a balanced compound of ashless organic materials in a pure hydrocarbon solvent. PT5/GT5 Plus is completely soluble in petrol/gas.

SPECIFICATIONS

Specific Gravity @ 15.5°C (60°F)	0.797
Viscosity SUS @37.8°C (100°F)	30.0
Pour Point	Below -57°C (-70°F)
Colour	Amber
Initial Boiling Point	159°C (318°F)
Final Boiling Point	204°C (400°F)
Ash Content @ 500°C (932°F)	Less than 0.005%

NOTE: PT5/GT5 PLUS CONTAINS NO METHANOL, ETHANOL, OR ISOPROPANOL ALCOHOLS.

HANDLING

Contains petroleum distillates. Do NOT store near heat, sparks or flame. Wash with soap and water if product contacts skin. KEEP OUT OF REACH OF CHILDREN. A Safety Data Sheet is available from Pro-Ma Systems.

WARNING

Combustible. Harmful or fatal if swallowed.

MEDICAL ADVICE

Contains petroleum distillates. If swallowed, do NOT induce vomiting. Call physician immediately.

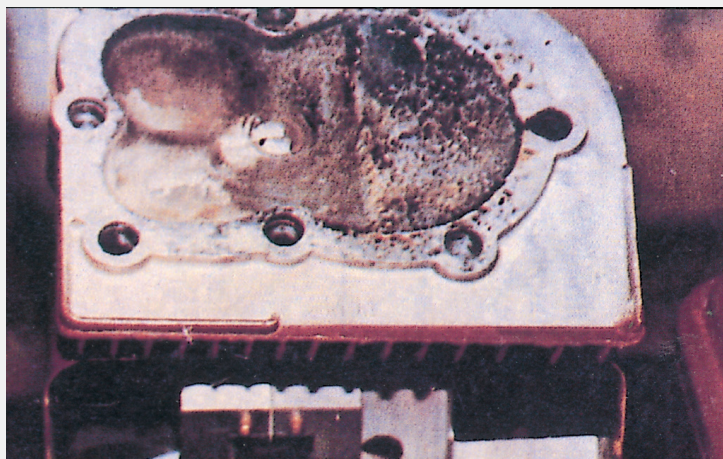
AVAILABLE SIZES

500 mL
5 Litre
20 Litres
60 Litres
208 Litres

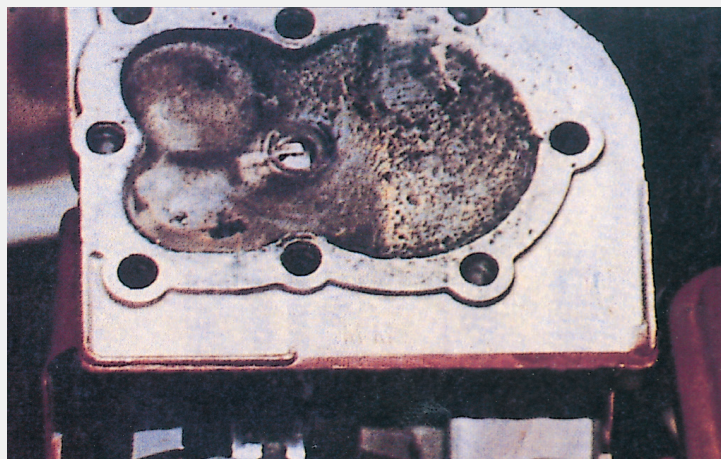
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BRIGGS & STRATTON MOTOR EXAMPLE

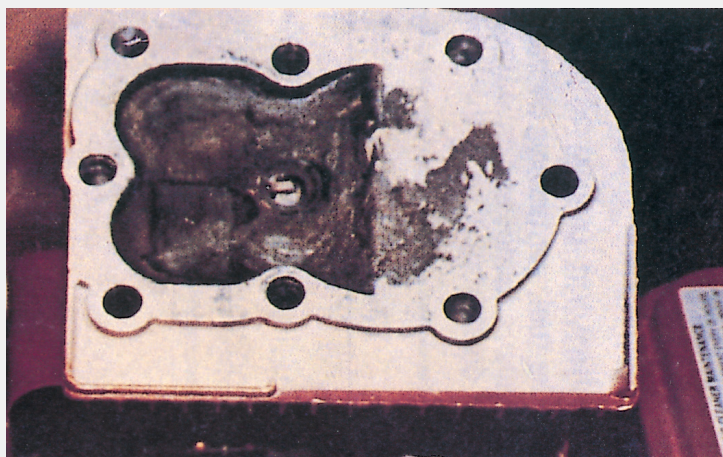
The pictures below demonstrate the effectiveness of PT5/GT5 Plus. In this example, we can clearly see how PT5/ GT5 cleans and controls harmful deposits of carbon, gums, and varnish from vital engine parts such as valves, valve stems, piston, piston rings whilst controlling the build-up of new deposits. PT5/GT5 Plus also cleans fuel system parts such as fuel tank, fuel lines, fuel pump, carburettor, injectors, spark plugs and exhaust system.



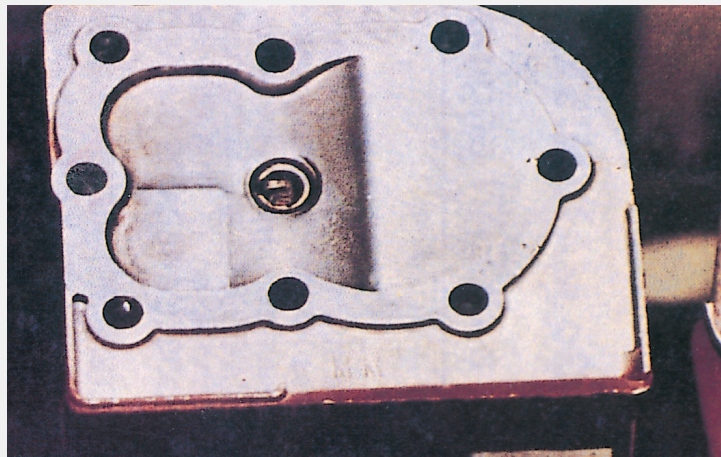
1. BRIGGS & STRATTON 2 HP MOTOR



2. AFTER 10 HOURS AND A DOUBLE DOSE OF PT5/GT5 PLUS



3. AFTER 18 HOURS AND A DOUBLE DOSE OF PT5/GT5 PLUS



4. AFTER 36 HOURS AND A DOUBLE DOSE OF PT5/GT5 PLUS

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www.pro-masystems.com



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PT5/GT5 Plus
Printed in Australia 03/16
69044

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