



AUTOMOTIVE CUSTOMER CHALLENGE'S

Customer Challenge:

A major NASCAR team dyno tested their race engines and made assorted changes to try and get more horsepower.

PPGI Solution:

After running many times on the dyno, and making all sorts of changes, they added Petron Plus The Engine Conditioner to the engine. At 8,000 rpm the Petron Plus treated engine was producing 6.6 more horsepower and using less fuel to do it.



Customer Challenge:

A second NASCAR team after dyno testing several of their race engines and made all sorts of changes to try and get more horsepower. They had a rep. from the factory stand-by while they ran another dyno test using Petron Plus products.

PPGI Solution:

The engine after being treated with Petron Plus The Engine Conditioner made peak horsepower at 8,000 rpm. It also made 17.4 more horsepower. It also produced 19.6 more foot pounds of torque. The factory rep. was most impressed by the 1/4 mile per gallon increase in mileage.



Customer Challenge:

A video production company, that produced "how-to video", one on how to build a 350 cu in Chevy Engine, and also owns a race team.

PPGI Solution:

To our surprise, included Petron Plus products in the video. And stated ..."We will not start our engines without Petron Plus in them. We also build our engines with Petron Plus."



Customer Challenge:

A major World-of-Outlaw National race team racing eleven months out of the year, and more than 100 race days a year. They were sending their engines back to their engine builder every 10 to 12 races to have them rebuilt due to the extreme compression that they run. They also leak down each cylinder each day after every racing event to see what percentage of leakage they have going by the rings. Anything over 5% leakage is unacceptable and needs to be rebuilt.

PPGI Solution:

After adding and using Petron Plus The Engine Conditioner for a year, they have held cylinder leakage between 1 and 2 percent even after 12 nights of racing. The rod and main bearing wear has been substantially less. The oil temperature has dropped 30 to 40 degrees. The biggest asset is performance. We had a engine re-dyno tested after 7 nights of racing, and found they had 7 more horsepower than when it was fresh. They have extended their engine rebuilt program to 15 nights of racing before rebuilds due to Petron Plus.





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Customer Challenge:

Several CART teams have problems each year just trying to qualify for the running of the INDY 500 Race.

PPGI Solution:

Petron Plus The Engine Conditioner has been used by many of the CART and IRL teams since 1988. Including a INDY 500 Winner.



Customer Challenge:

A Cab company in Oklahoma conducted a test using Petron Plus products.

PPGI Solution:

Petron Plus The Engine Conditioner was added to the 5.7 liter V-8, and drove for 1,383 miles. The fuel mileage was 15.8 mpg prior to adding Petron Plus. The fuel mileage increased to 17.3 mpg after adding Petron Plus. This was a 9.4% increase in fuel mileage.



Customer Challenge:

A U.S.H.R.A. World Champion Truck Puller reported his oil pump drive belt broke as he approached the starting line, the oil pressure warning light failed to come on, and he ran at 8,000 rpm for over 15 seconds under full load with zero oil pressure! Then in returning to the starting line the flagman, gave him his broken oil pump drive belt.

PPGI Solution:

The team has been using Petron Plus The Engine Conditioner, Transmission & Gear Box Supplement, and High-Temp Polyurea Grease for 2 years. They reported, upon tearing the engine down they found that they only had to polish the crankshaft and replace the rod bearings which had minimum damage- the main bearings were fine!



Customer Challenge:

A lady that races N.M.C.A. set the mph record of 168.72 in Atlanta, GA

PPGI Solution:

She reported: Your products gave me an advantage over the competition. Her favorite saying: "A man's worst nightmare, A girl in a fast car"





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Customer Challenge:

In the NASCAR Winston West race in Bakersfield, CA a race team reported: While coming out of turn two, the driver cut a tire down and the car sideswiped the wall. This particular car had not been converted over to bottom engine mounts and still had an engine plate mount in it. When the driver struck the wall this caused the engine plate to separate 1/8" from the block, causing the water to leak out slowly enough enabling us to detect it. After putting tires on the car and sending him back out, the water and oil temperature gauges both reached 280°F. When returning to the shop and pulling the engine, they noticed the cylinder heads had melted below the header flanges which was spraying melted aluminum on the top of the chassis. While pulling the cylinder heads, they found they had melted to the block, and while pulling the oil pan, the oil had thickened to the consistency of molasses.

PPGI Solution:

They reported: They had been using Petron Plus The Engine Conditioner in their engines for sometime, and to their amazement, they found no damage to the crankshaft, rods, rod bearings, custom skirts, cylinder walls, or any lower engine components.



Customer Challenge:

A engine builder and racer car driver for the ARCA Series reported after using Petron Plus The Engine Conditioner.

PPGI Solution:

Our dyno test showed a 1 to 2% increase in horsepower with the Petron Plus The Engine Conditioner. In the race car he reported a 20°F drop in oil temperature, and a 10°F drop in water temperature.



Customer Challenge:

A Formula Atlantic race team reported: As the driver approached a 90° turn at 10,000 rpm's and approx. 145 mph, when suddenly the oil filter seal blew and pumped the oil dry in seconds. The driver powered through the turn and saved the car at the expense of the engine.

PPGI Solution:

Upon scooping the cylinder walls and pistons - not a scratch. They replaced the filtering system and fired the engine briefly. ...inspect the oil and filter, and to our surprise we found no metal shavings! NONE! The next morning we took part in a 30 minute qualification session. ...not only qualified, but was the fastest time of all the cars in the C-2 class. (...no-one knew Petron was in the engine, except us)



Customer Challenge:

Many NHRA Top Fuel Funny Cars, Top Fuel Dragsters teams have been using Petron Plus products for years, several can not be listed do their sponsors.

PPGI Solution:

They use Petron Plus products because they work.





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Customer Challenge:

A nationally known airport shuttle company in California had 180 Dodge vans, and 35 Mercury sedans in their fleet. The vehicles are driven approx. 1,950,000 miles per month, and very high fuel costs.

PPGI Solution:

They added Petron Plus The Engine Conditioner to the engines, with approx. 50% of the fleet using Petron Plus Engine Conditioner in the engines, preliminary fuel economy improvements showing 6% on vans and 14% on the sedans. With these improvements in fuel economy they estimated at least \$5,000.00 per month savings on fuel after paying for the product.



Customer Challenge:

One of the Region General Services Administration (GSA) reported high engine failure, because of the severe use the vehicle incur.

PPGI Solution:

They added Petron Plus The Engine Conditioner to eight vehicles, after 2 years no engine failures have occurred. Drivers have also reported increased gas mileage.



Customer Challenge:

One of the Worlds largest vehicle manufactures was expressing problems with their own vehicle fleet in their Egypt facility.

PPGI Solution:

After 5 months of testing the Petron Plus The Engine Conditioner, Diesel Engine Conditioner, Transmission & Gear Box Supplement, and Automatic Transmission Supplement in their fleet, they reported: Reduce maintenance down time, Less fuel consumption, No component failure, Lubricant life increased.



Customer Challenge:

A transportation company in Michigan was experiencing high oil and fuel consumption on their fleet of vans, and sedans.

PPGI Solution:

They added Petron Plus The Engine Conditioner to their entire fleet of 31 vehicles. They reported their oil consumption has decreased by 75%! They reported a 300 gallon savings on gasoline per month.





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Customer Challenge:

A large city in China tested Petron Plus Engine Conditioner in their city buses.

PPGI Solution:

Following strict standards the test allowed no adjustments to the buses, before and after adding the Petron Plus products. They reported: On the five buses test fleet, they had an average fuel savings of 16.2% and the operating conditions improved dramatically. Engine noise was cut down, lube oil consumption dropped 50% and emissions dropped significantly.



Customer Challenge:

One of the winning NHRA Pro-Stock active team ran a Dyno Test without and with Petron Plus Synthetic High-Performance Engine Conditioner/

PPGI Solution:

After doing all the tuning, making all the adjustments and testing on the dyno and produced 1,290 HP, they were ready to remove the engine from the dyno at which time they added Petron Plus Synthetic High-Performance Engine Conditioner. After making two additional pulls on the dyno they have a full four (4%) percent increase or 1,340 to 1,345 HP.



Customer Challenge:

Reserved for your automotive story

PPGI Solution:

