

Blue Marble® Two Cycle Oil

A couple of seasons back, test pilot Steve Ingram tried Blue Marble® Two Cycle Oil in one of our long-term test sleds. He reported a subjective increase in performance and an objective increase in fuel economy.

Since then, Blue Marble has been a bit hard to find—mostly because the original developers were a titch eccentric and under-capitalized. In fact, until EnviroFuels stepped into the financial picture, Blue Marble oil's mere existence was in jeopardy. But with an influx of cash and effective management, Blue Marble should soon begin showing up in more and more snowmobile and two cycle fuel outlets.

It's back and promises to increase fuel efficiency and protect the environment.

According to EnviroFuels spokesmen, Blue Marble for two strokes incorporates patented technologies that could make traditional approaches to lubrication obsolete. Traditional two cycle oils simply use hydrocarbons to provide a base lubricant between metals—piston and cylinder wall, etc. EnviroFuels states that its Blue Marble® Two Cycle Oil actually changes the metal surface. At a microscopic level, the company claims that the metal surface of engine parts is changed and friction is reduced dramatically to increase performance. It's likened to having a ceramic coating that never deteriorates.

Increases Fuel Efficiency: Blue Marble® Two Cycle Oil is said to provide increased fuel efficiency. A combination of reduced friction and more efficient combustion improve the efficiency of two cycle engines. This efficiency can be used for greater fuel economy or just more power.

Generates More Power: EnviroFuels claims that in various tests, Blue Marble® Two Cycle Oil has demonstrated power (rpm) gains. This increased horsepower doesn't require any engine modifications—just consistent use of Blue Marble.

Provides for a Safer Environment: According to EnviroFuels, Blue Marble is

not a pure synthetic technology as it uses a mineral oil that naturally biodegrades. The mineral oil base in Blue Marble® has no aromatics so there is no sheen on the water and smoke is significantly reduced.

States EnviroFuels: "Our patented technologies convert metal surfaces to improve combustion and reduce friction for more power with lower emissions.

"The parent mixture of the new technology is an additive to lubricants and fuels. Its action under engine operating conditions is to create a surface layer on engine parts which results in increased fuel efficiency and diminished emission of pollutant molecules."

EnviroFuels, L.P.'s thin film products require a certain amount of time to react with the metal of the engine. This reaction is not temperature dependant. If an engine were simply dipped into a pool of solution containing these products, a surface would be generated.

The company says one factor that occurs is that EnviroFuels, L.P.'s products will dislodge carbon deposits as they generate a surface. If there are significant carbon deposits in an engine, the deposits will flow out of the engine. In the case of small engines, EnviroFuels has determined that preparation of the engine with a carbon-dissolving product facilitates the cleaning process and protects smaller operating



parts during the detergent period.

EnviroFuels, L.P. has tested metals representative of commercially available internal combustion engines. While the time necessary to generate a conversion surface can vary significantly, the company claims that the conversion surface and its impact on operational efficiency are evident.

While more studied experts than we may agree or disagree, our test pilot did record a nice increase in fuel mileage when using the product and giving it a chance to establish itself in the engine. That meant less fuel expense—and seemingly, an increase in performance.

Depending on product size and case lots, you can expect to pay:

- Case of 16— 13 oz. bottles— \$95.20
- Gallon Case (4 gallons)— \$119.80
- 55-Gallon Drum— \$1,020

For more information or to find a Blue Marble dealer, contact: EnviroFuels, L.P., 2001 Kirby Drive, Suite 1240, Houston, Texas 77019— Toll Free: 877/POWER-09 (877-769-3709)— or visit us online at info@envirofuelslp.com **AS**

PRODUCT REVIEW:

Our sled for the test was an MX Z 800 with a history of high oil consumption (95 miles per quart). We didn't change the oil pump setting for our Long Term Test on the MX Z, or for the oil test.

The magic didn't happen right away. In fact for the first tank of fuel the results were about what we expected—no change. From the second tank to the fourth and

last tank of fuel, the machine morphed.

The MX Z's fuel efficiency increased by 2.5 miles per gallon, which doesn't sound like much, but in our 400-mile test we figure we ran 65.38 miles for free. The motor actually sounded better, ran smoother, and was smoke free while on the trail.

— Steve Ingram, Test Pilot