



Glacial Lakes Energy, LLC



WHAT IS E30?

E30 is a blend of regular gasoline and 30% ethanol. E30 is a premium fuel known for its high octane. Ethanol blends, such as E30 significantly reduce carbon deposits within your vehicle creating a cleaner and more efficient engine. E30 also reduces carbon emissions from your tailpipe and reduces the need for cancer causing additives in gasoline, like benzene. Not to mention, every time you fill up with E30 you reduce American dependence on foreign oil and support the economies of your local communities. E30 hits the sweet spot between engine performance and price. But the EPA fails to approve blends up to E30 in non-flex vehicles.

E30 WORKS!

GLE partners with Andy Wicks. Andy serves as our Mechanical Expert and Test Facilitator.

Wicks, a native of Watertown, South Dakota founded Dyno-Tune Speed and Performance in Watertown in 2003, a business which specializes in enhancing high performance fuel injected vehicles. He has worked on over 15,000 cars from all over the US and developed an E85 Flex Fuel conversion kit for non-flex vehicles which he has sold nationwide.

Wicks has conducted countless tests regarding

THE TRUTH ABOUT E30

There seems to be many misconceptions and inaccuracies related to the use of higher ethanol blends in vehicles we have in our garages. Much of this has arisen due to limited information, misinformation, or just simply wild guesses coming from ill-informed individuals, industries, and governmental entities. Ethanol is a great fuel alternative, additional supplement, or blending agent for our country and it needs to be fully utilized as such.

- E30 is high octane 93, premium fuel that will be the automotive industry's dream in order to meet higher mileage requirements
- E30 blends can actually increase available horsepower and torque
- E30 typically maintains fuel economy or with minimum change depending on the vehicle
- E30 reduces harmful cancer causing carcinogens contained in gasoline
- E30 is made from the corn grown in your neighbors fields

E30 in non-flex fuel vehicles (see right). The results continue to prove how E30 can actually increase available horsepower and torque, with fuel economy being maintained or slightly changed (increased or decreased depending on the vehicle).

The results also show that E30 is typically not the cause of a 'check engine' light: in reality, your

vehicle more than likely has a maintenance issue that happened to appear at the same time or thereafter.

Wicks is unaware of any voided automotive manufacturer warranties caused by the usage of E30. In fact, most vehicles built in the last 20 years have the same components and can handle higher blends of ethanol.

THE RESULTS ARE IN!

We tested premium E30 in 40 different vehicles and the results prove:

- ✔ Almost 8 million gallons of E30 sold in Watertown and Aberdeen since May 2016
- ✔ On average maintained or increased fuel mileage
- ✔ Over 80,000 test miles driven
- ✔ No check engine lights
- ✔ Over 160 million consumer miles driven
- ✔ No mechanical issues
- ✔ \$3-\$5 per tank fuel savings
- ✔ Increased horsepower

E30 CHALLENGE TEST VEHICLES

2007 Buick Ranier	2013 Ford C Max Hybrid
2010 Buick Enclave	2015 Ford Transit Van
2003 Chevy Silverado	2015 Ford Edge
2004 Chevy 2500 6.0L	2016 Ford Escape
2005 Chevy Colorado	2007 GMC Sierra 1500
2005 Chevy Equinox	2015 GMC Acadia
2006 Chevy Silverado	2016 GMC Canyon
2011 Chevy Malibu	2006 GMC Sierra
2012 Chevy Camaro	2013 Honda Pilot
2012 Chevy Traverse	2008 Hyundai Van
2014 Chevy Cruze	2015 Jeep Wrangler
2006 Chrysler Town & Cnty	2008 Kia Rondo
2007 Dodge Charger	2016 Lincoln Navigator
2009 Dodge Challenger	2008 Mercedes ML 350
2010 Dodge Journey	2006 Nissan Armada
2010 Dodge Ram 1500	2005 Toyota Avalon
2011 Dodge Ram 1500	2008 Toyota Avalon
2012 Dodge Avenger	2010 Toyota Sienna
2005 Ford F150 5.4L Triton	2011 Toyota Highlander
2011 Ford F150	2013 Toyota Rav 4
	2013 Toyota Tundra

WHAT IS THE E30 CHALLENGE?



ARE YOU READY?

Who would have ever thought that a little place like South Dakota might be a trend setter for the rest of the nation? We are advocating a fundamental change in the way we fuel our automobiles.

South Dakota is challenging conventional wisdom in order for biofuels like ethanol to finally realize their true potential. That conventional wisdom is that our non-flex autos can only operate on 10% ethanol blends and at most 15%. Nearly a century ago, Henry Ford recommended E30 for his higher compression automobiles, warning that the alternatives – tetraethyl lead and benzene-based aromatic hydrocarbons – provided a lower octane kick and contained dangerous cancer causing poisons and carcinogens.

Cars then and now are capable of using much higher blends and the auto industry knows it. In fact the optimum blend to maximize octane and energy content is in the 25-40% volume range, according to the Department of Energy.

What does this have to do with South Dakota? Well, a revolution has to start somewhere and Glacial Lakes Energy is leading the "E30 Challenge" by challenging everyone to try E30.

THE GOAL: TO CHANGE YOUR FUEL OF CHOICE TO E30

Education and promotion is focused on the community, as well as seminars with dealerships, technical colleges, city police and fleet managers, farmers unions, and automotive mechanics. The retailers are also educated on the value of octane, clean air and local jobs.



www.glaciallakesenergy.com
www.fixourfuel.com

E30 TESTING IN THREE MAJOR FULL SIZE PICKUPS SHOWS...



Experienced a 30+ horsepower gain over regular 87 octane gasoline as measured on a rear wheel chassis dynamometer



Experienced a 10% gain in power by just changing fuels



The increase in overall power, allows the engine to do more work with less pedal effort, giving fuel economy advantages



All engine parameters were closely monitored and no engine warning lights were triggered during the test

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THE E30 CHALLENGE ARE YOU READY?



Glacial Lakes Energy, LLC

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