



T2011 - What's behind the number?

Bonneville here we come! September 14-17, 2011

August 24, 2011 - for immediate release

Granite Falls High School *UrbanAutos* team won 1st place at this years' Shell Eco-marathon® in Houston, Texas. Additionally, they now hold the new Americas Record for the Urban Concept Diesel Category with 186 MPG.

For our next tests the car will use *GDiesel*® and B20 Biodiesel and is going to become a "rolling Career and Technical Education (CTE) - STEM laboratory" run by a mixed team of girls and boys grade 9-12. This Project Based Learning will raise the bar and apply Science, Technology, Engineering and Math in a real world problem solving setting.

We will attempt to get on the books as a first ever youth school team to raise awareness for alternative fuels, and make it an educational outreach endeavor across State lines. Visiting schools (Morningside Elementary, Salt Lake City) are participating in the learning with hands-on activities. Multi-Age classes in Granite Falls are linked in via SKYPE and YouTube.

First, in early June we tested this car with a comprehensive protocol at Sea Level in 60-70 degrees Fahrenheit using the oval track at PACCAR Technical Center in Mt. Vernon, Washington for fuel efficiency and acceleration over 2/10 mile.

Second, we will repeat the same test protocol at 4,300 feet altitude at ~ 90 degrees Fahrenheit at World of Speed in Bonneville, Utah. There, under the watchful eye of the technical inspectors we will use part of the 1 mile short course unique to the WOS for a variety of scientific testing September 14-17, 2011. It offers a variety of options to individualize and tailor performance protocols. T2011 is the temporary race number our car will carry!

Our Major Sponsors and Supporters for this venue are:

- PACCAR Technical Center, Mt. Vernon, WA - use of test track and provider of B20 Biodiesel
- Center of Excellence in Aerospace and Advanced Materials Manufacturing, Everett, WA - Funding for outreach to raise awareness for alternative fuels and advanced composite materials in an educational setting.
- Target550 /Treit and Davenport LSR, Aurora, OR - Technical and Logistics/PR Consulting for testing at Bonneville, UT
- ARC - Advanced Refining Concepts, LLC, Sparks, NV - *GDiesel*® Sponsor
- USFRA - Utah Salt Flat Racing Association, Salt Lake City, UT - World of Speed event host
- BECU (Boeing Employee Credit Union) - School Grant to fund test and data collection software and technology.



2/2011 - Team + Car before rebuild



2/10 mile speed testing at PACCAR 6/2011



First glimpse of T2011 LSR-UC Car 8/2011

Granite Falls High School - Home of the *ShopGirls* and *UrbanAutos* Car Teams

For more info and how you can become a part of this exciting and fun learning experience please contact us

Email: mwerner@gfalls.wednet.edu Website: <http://live.gfalls.wednet.edu/ecoteams/>

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