

BIODIESEL STANDS UP TO THE GOLD



Biodiesel Basics...

A domestically produced, renewable fuel, biodiesel is not only better for your engine, it's better for the environment and the economy. It results in a substantial reduction of unburned hydrocarbons, carbon monoxide and particulate matter. Every gallon you pump puts money into local agriculture and the domestic economy, rather than going overseas.

Biodiesel can be used in any diesel engine. It is usually blended with regular diesel fuel, most commonly at a blend of 20 percent biodiesel and 80 percent petroleum diesel (B20).

Biodiesel Blends for all Seasons

Like regular #2 diesel fuel, biodiesel can gel at very low temperatures. But, with good fuel management, biodiesel blend users can count on a trouble-free winter, regardless of the climate.

The composition and cold flow properties of diesel fuels vary widely, as do the cold flow properties of biodiesel. Biodiesel blend users and fuel distributors must recognize these variations and develop a cold weather management plan well before cold weather sets in.



Aspen Mountain, photographer Paul Morrison

Ski Resorts Rely on Biodiesel

Colorado's Aspen Resorts have successfully used B20 in their fleet of 30 Sno-Cats® since 2002.

For the past several years, Aspen Resorts has hosted the ESPN Winter X Games, the world's signature action sports event which includes skiing, snowboarding, snowmobiling and more. Mushet explains that the pressure is really on during the X Games to keep the mountain in tiptop shape. "We've got a short amount of time between events, making the grooming schedule extremely tight. That, combined with the fact that the Games are broadcast live on ESPN, means we need to be able to count on our snow grooming equipment no matter how cold the weather. Biodiesel has been great and everything has run very smoothly."

"B20 has worked very well for us and we have been problem-free throughout the long, cold Colorado winters."

Don Mushet
Aspen Resorts



Credit: Harvard News Office

Harvard Weathers the Cold with B20

Boston is known for its cold winters and Harvard University in Cambridge, Mass., has experienced great success with B20 for a number of years. Harvard's 68 vehicle diesel fleet—which includes snow plows, shuttle buses, solid waste and recycling trucks, landscape services vehicles, tractors and pick-up trucks—relies on biodiesel year-round.

David E. Harris Jr., General Manager of Transportation Services, says, "We see biodiesel as a dynamic triangle—it's cleaner burning, renewable and reduces our dependence on foreign oil."

Harris added that the precautions he takes with biodiesel in cold weather are good practice with regular diesel fuel as well.

Hot Tips for Cold Weather

Quality fuel is *absolutely* critical to successful cold flow operation. Here are some tips that can help keep your engine running smoothly all winter long:

- Use high quality biodiesel fuel that meets the national standard, ASTM D 6751.
- Blend biodiesel with kerosene.
- Blend biodiesel with diesel that has been treated with cold weather additives.
- Use block and filter heaters.
- Store your vehicles indoors.



For more technical guidance on using B20 in cold weather and for additional examples of “Cool Customers” who successfully use biodiesel blends year-round, visit www.biodiesel.org/cold or email the National Biodiesel Board at info@biodiesel.org.

Visit www.bq-9000.org to learn about the biodiesel industry’s voluntary quality assurance program and which companies participate.



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LET IT SNOW!

When It's Cold Outside, Your Engine Doesn't Have to Know the Difference.

You can use high quality biodiesel blends year-round—even in the coldest climates.

