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DME Basics

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What Is DME?

DME (dimethyl ether) is a clean-burning, non-toxic, potentially renewable fuel. Its high cetane value and quiet combustion, as well as its inexpensive propane-like fueling system, make it an excellent, inexpensive diesel alternative that will meet strict emissions standards.



DME has been used for decades as an energy source in China, Japan, Korea, Egypt, and Brazil, and it can be produced domestically from a variety of feedstocks, including biogas and natural gas. Ideal uses in North America are in the transportation, agriculture, and construction industries. Because production is not dependent upon the price of crude oil, Oberon Fuels can offer stable pricing for DME, competitive with that of diesel.

DME is a gas under ambient conditions with properties similar to those of propane. However, because it can be stored as a liquid under moderate pressure, it eliminates the need for the high-pressure containers used for CNG or cryogenic storage of LNG.

The Benefits of DME

- > Burns with no particulate matter and minimal NOx
- > Sulfur-free
- > Price competitive with that of diesel; not tied to the price of crude oil
- > Meets or exceeds strict emissions standards
- > Simpler engine results in lower maintenance costs
- > No spark plugs required
- > Compression ignited, resulting in higher efficiency
- > Safe, rapid dispensing,

similar to that of propane

> Spillage will not
contaminate soil

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