

# Oxygenated Fuels

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Some conventional gasolines are being blended with alcohol or an ether compound. These gasolines are collectively referred to as oxygenated fuels. To meet clean air standards, some areas of the United States use oxygenated fuels to help reduce emissions. If you use an oxygenated fuel, be sure it is unleaded and meets the minimum octane rating requirement.

Before using an oxygenated fuel, try to confirm the fuel's contents. Some states/provinces require this information to be posted on the pump.

The following are the EPA-approved percentages of oxygenates for non-road vehicles:

ETHANOL (ethyl or grain alcohol) up to 10% by volume.

You may use gasoline containing up to 10% ethanol by volume.

Gasoline containing ethanol may be marketed under the name "Gasohol".

Do not use gasoline containing more than 10% ethanol by volume. The use of gasoline containing a higher percentage (e.g. E15, E20, E85) of ethanol has not been approved for use in this vehicle and may cause starting and/or performance problems and can also damage metal, rubber, and plastic parts of the fuel system and are not covered by the Distributor's Limited Warranty.

METHANOL (methyl or wood alcohol) up to 5% by volume.

You may use gasoline containing up to 5% methanol by volume as long as it also contains cosolvents and corrosion inhibitors to protect the fuel system. Gasoline containing more than 5% methanol by volume may cause starting and/or performance problems. It may also damage metal, rubber, and plastic parts of your fuel system.