

Diesel drivers know how quickly things can turn bad when a fuel-filter plugs in cold weather. Fuel-filters plug in winter for two reasons: (1) ice and (2) wax.

## ICE

All diesel fuel contains water. Even the clearest fuels can contain up to 60 ppm water. This water is completely dissolved and does not cause icing or other water-related problems like corrosion and microbial growth. Once the water content reaches a level where the diesel fuel cannot keep it dissolved, it will start to form small water droplets that are dispersed throughout the tank. These water droplets are what turns diesel fuel hazy. When temperatures drop below 32°F. these tiny water droplets become tiny ice droplets that accumulate on the fuel-filter, causing it to plug. The chemistry in Diesel 911 can prevent this from happening in two ways. Hydrogen

## **FUN FACT**

Some products that claim to work the way Diesel 911 does are not soluble in water — you can check section 9 of the product Safety Data Sheet (SDS) to see. If it's not soluble in water, it can't lower the freezing point of the water.