

The reasons for using aqueous coolants no longer hold water.

## Evans Waterless Heavy Duty Thermal Coolant

Reduces fuel costs, maintenance and wear-and-tear.

Traditional 50/50 glycol-water solutions waste a substantial amount of fuel just to keep the water segment from reaching its boiling point. Over time, water also becomes acidic and causes erosion of engine components. A major reason why 40% of maintenance costs are cooling system related.

### The key: we never reach our boiling point.

With standard formulations, the boiling point of the water is the limiting factor. However, the operating temperature of Evans Waterless Heavy Duty Thermal Coolant (HDTC) is at least 100 degrees lower than its boiling point. This eliminates the flash water vapors that form an insulating barrier – and temperature spikes in the metal.

### A dual-barreled approach to fuel savings.

Evans Waterless HDTC enables an engine to run safely at hotter temperatures. Both the fan-on temperature and the thermostat temperature can be raised. These have shown a substantial increase in fuel efficiency in independent lab testing, while exhibiting even higher results in real-life case studies.

### Eliminating the cavitation and corrosion that can kill an engine.

Flash vaporization takes its toll on pumps, cylinder liners and hose systems. Evans Waterless HDTC prevents hot spots in the engine through constant contact with the hot metal. Reducing overall system stress and preventing rust and baked-on additives that can shorten engine life.

### The sustainable solution you never have to replace.

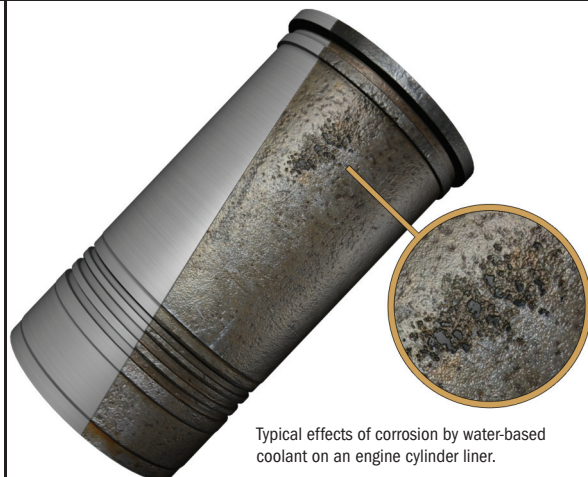
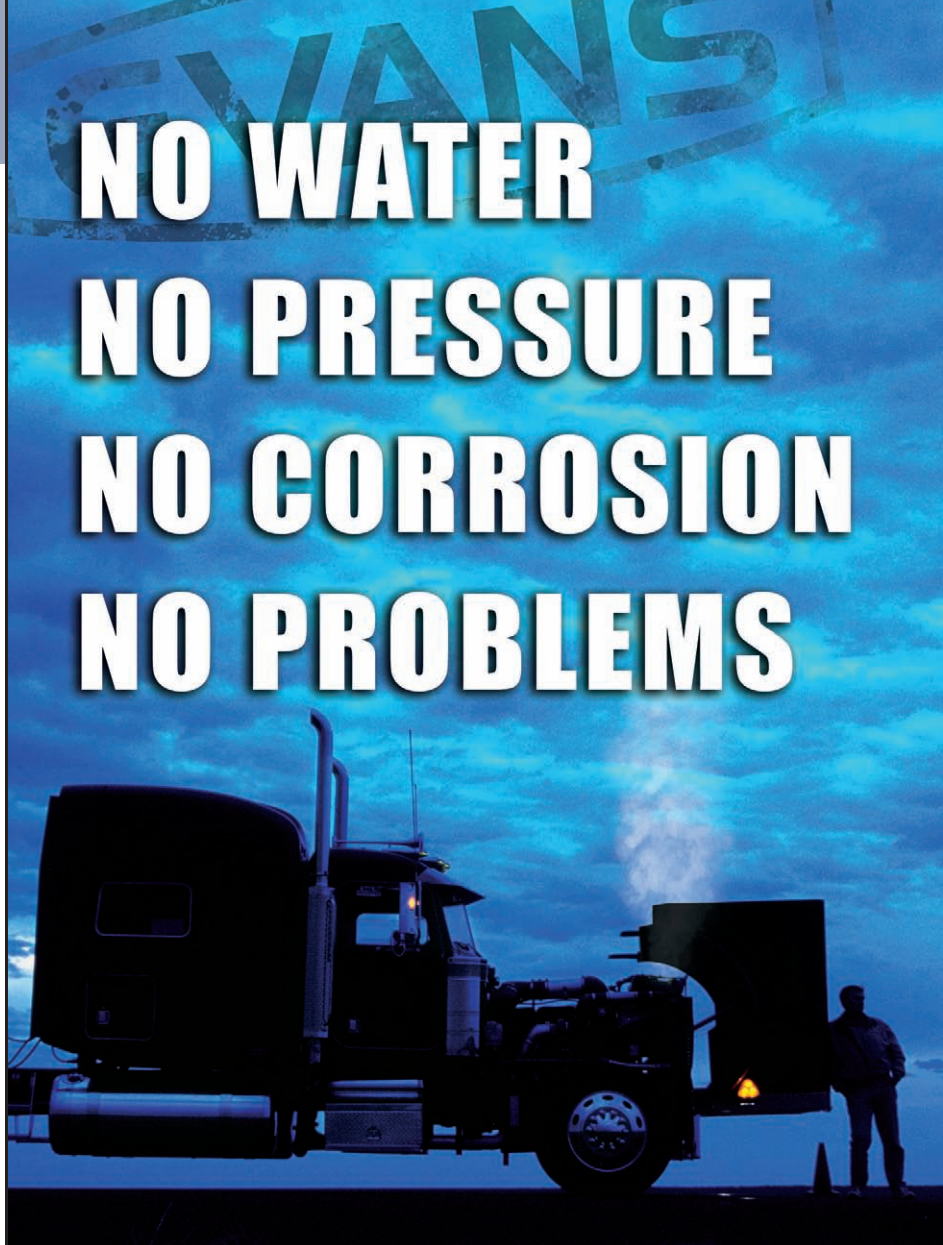
With Evans Waterless HDTC, regular coolant change-outs and disposal costs are a thing of the past. Plus, our fuel savings lead directly to fewer emissions. Evans Waterless HDTC contains an inhibitor that lowers the toxicity of ethylene glycol. Explore the additional details on our website, and on the reverse side of this piece. Then contact us for a customized proposal for your fleet.

# NO WATER

# NO PRESSURE

# NO CORROSION

# NO PROBLEMS



Typical effects of corrosion by water-based coolant on an engine cylinder liner.

**WE'LL GET YOU THERE™**

# EVANS®

The wisdom of going waterless.

## Substantial increase in efficiency, according to lab tests.

### 7% savings by reducing fan-on activity.

The fan for a heavy-duty diesel engine draws considerable power. In a yearlong test conducted with a fleet of Connecticut refuse trucks, the fan-on temperature on a Mack MR688S was raised to 230°F. Evans Waterless HDTC was able to minimize fan operation for a 7%-plus increase in fuel economy.

### 3% savings by raising the thermostat temp.

The low-pressure performance of Evans Waterless HDTC enables an engine to run safely at higher temperatures. The thermostat temperature on a Freightliner C120 tractor, with a Detroit Diesel 14L Series 60 engine, was raised to 215°F. The result was a fuel economy improvement in excess of 3% — proven by the SAE Type II Fuel Consumption Test conducted by the PAVE Research Center at Auburn University.

## Additional efficiency through enhanced conductivity at higher temperatures.

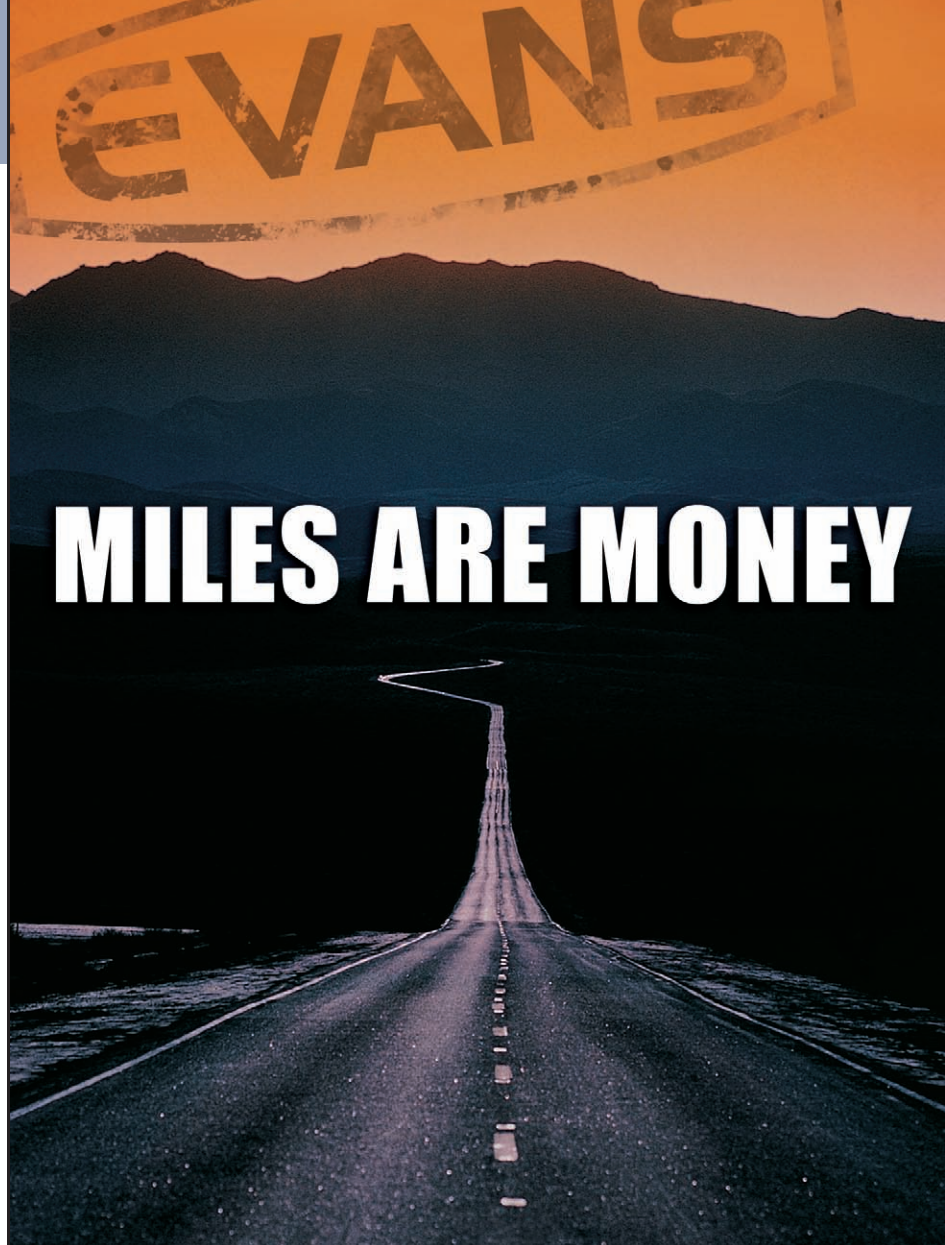
The vapor phase of water-based coolant has almost no thermal conductivity. Substantial energy is wasted to keep the coolant temperature below the boiling point and prevent vaporization. Evans Waterless HDTC removes this barrier, saving energy and fuel.

## More like 9% on the road, according to Joe.

Joe Umstead has driven all over the US since 1991 with the same Evans Waterless HDTC in his Detroit Diesel Series 60 engine. Nearly 1 million miles in all. While comparable trucks average less than 7 MPG, Joe gets 7.65 MPG — as evidenced by his detailed mileage log. The additional savings he enjoys from reduced maintenance costs have made him into a bona fide Evans disciple. While providing further proof of our coolant's money-saving properties.

## Thousands of successful installations worldwide. With extremely rapid paybacks.

Visit our website at [evanscooling.com](http://evanscooling.com) for more details. If you're a fleet owner/manager who needs to reduce fuel and operating costs — while extending the life of your vehicles — this is the opportunity of a lifetime.



# MILES ARE MONEY



Joe Umstead



**WE'LL GET YOU THERE™**

**EVANS**