



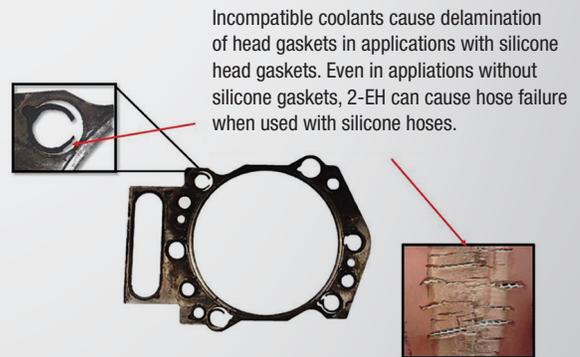
The ES Compleat™ OAT Advantage

Organic Additive Technology (OAT) or Extended Life Coolants (ELC) are premium technology that is most often recommended by Original Equipment Manufacturers (OEM). OAT/ELC products are the easiest to maintain and are more tolerant of contamination (brazing flux, hard water, etc.) than older technology products. This typically results in a lower overall cost of ownership due to reduced maintenance and lower component failure rates.

Not all OAT is created equal!

When selecting a product, keep in mind that liner pitting performance and elastomer compatibility vary with the types and quantity of organic additives used. 2-ethylhexanoate, or 2-EH, is a commonly used organic additive in both light and heavy-duty applications. However, this additive has been known to have a negative impact on silicone elastomers, including head gaskets, rocker cover housing gaskets and silicone hoses.

2-EH causes the silicone elastomers to degrade over time, with the gasket and hose material shrinking and becoming brittle. In the case of silicone head gaskets, failures allow exhaust gas to bypass the gasket, contributing to acidification of the coolant and increased corrosion. Silicone head gaskets are most common in high horsepower applications, but silicone hoses are common on over-the-road applications. Cummins Engineering Standard 14603 (CES14603) requires that coolants be compatible with silicone elastomers. All Fleetguard coolants are 2-EH-free and meet the requirements of CES14603.



Thrust Side of Liner After JD Cavitation test



Thrust Side of Liner After Field Test

Nitrite-free OAT products can be less effective at protecting liners from pitting than nitrite-containing coolants. **ES Compleat OAT** is formulated to maintain liner protection that is comparable to a nitrite-containing coolant with the benefit of being nitrite free.



For more information, visit Fleetguard.com

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