

Texaco® Fix for NOAT in Cummins® Engines



Texaco's "Fix"; Add silicate to NOAT Engine Coolant

August 6, 1999

North American Customer Bulletin

This communication is being sent to update mutual customers of Cummins Engine Company and Equilon Lubricants on the issue of gasket coolant leakage in Cummins engines, when factory filled with Texaco Extended Life Coolant (TELC).

Cummins Engine Company, Texaco and Equilon Lubricants are working together to find a solution. The teams have already ascertained that the addition of silicates to cooling Systems has shown improved performance between TELC and silicone seals in Cummins engines, and support the following customer options:

1. Add concentrated silicates to Cummins cooling systems that contain TELC.

OR

2. Install coolant filter that contains silicates.

Option 1: Concentrated silicates will be available free of charge from Equilon Lubricants in early September 1999. Special order instructions will be forthcoming, along with installation procedures, to insure that the concentration of silicates in the cooling system is appropriate for gasket performance improvement.

OR

Option 2: Information on this option will be available by September 1999. At this time we do not have a specific filter that can be recommended, however Equilon is working with multiple filter manufacturers.

Caution: Over-treatment of silicates in the cooling system can be damaging to other components Texaco Equilon Lubricants does not recommend the addition of silicates to engines produced by other manufacturers

Cummins Engine Company, Texaco and Equilon Lubricants have formed a common task force that are working together on short-term and long-term solutions to these issues. Texaco and Equilon Lubricants support Cummins Engine Company's current position to factory fill Cummins engines with conventional coolants technology in North America.

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Learn more about NOAT on the Penray website: <http://www.penray.com/organicacid>