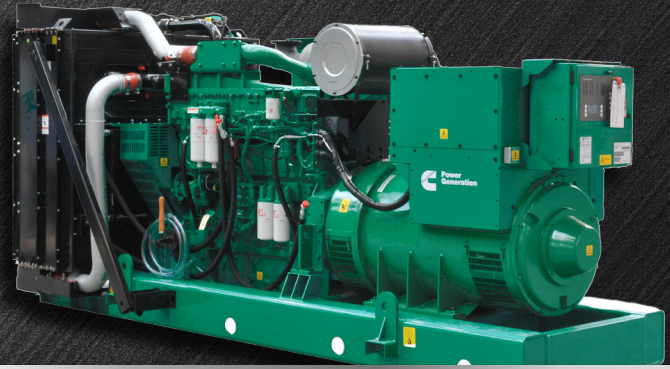


# Fleetguard Coolants Maintenance Guidelines for Stand-By Power Applications



**Did you know that up to 40% of all engine problems originate in the cooling system? The problems can often be prevented by selecting and properly maintaining the right coolant for your application. Stand-by Power Generators can stress the cooling system due to the continuous heat applied to the system while in stand-by mode. Follow the simple guidelines below to ensure that your generators are prepared for operation when needed.**

## **1. Select the right coolant for your application.**

Cummins endorses and recommends Fleetguard coolants. ES Compleat OAT is designed to provide superior engine protection in the harshest of environments and requires minimal maintenance.

## **2. Maintain your coolant.**

Check the % glycol and freeze point of the coolant twice annually with Fleetguard's refractometers, PN CC8998 for ES Compleat OAT and CC2806 for all other coolant products. Cummins requires 40-60% glycol, so you may need to adjust the system by draining a portion of the current coolant and replacing it with either distilled water or concentrated coolant. Be sure to utilize our easy-to-use online calculator to determine how to effectively adjust your system.

Check the condition of your coolant in less than 2 minutes in the field with Fleetguard's test strips at the service interval shown in table 1. It's important to check your coolant condition at least once per year (even if you haven't reached the recommended service interval in operating hours) in stand-by generator applications due to the constant heat applied to the system.

Complete a comprehensive coolant analysis through the Fleetguard Monitor program at every other service interval. The Monitor kits include everything you need to submit a sample to the coolant analysis lab for a full quality check to give you more insight into the condition of the coolant. Results are available within 72 hours and the report includes a summary of the coolant condition along with recommended actions and potential sources for contamination when present.

## **3. Service your coolant.**

Fleetguard's test strips include results-based instructions to help you determine what actions, if any, are needed to maintain the health of your coolant. For some coolants, you will likely need to add Supplemental Coolant Additives or an Extender. In less common situations, the coolant may need to be drained and replaced with fresh coolant if any of the condemning limits have been met. Reference your OEM manual for instructions on how to properly drain and replace the coolant if needed.

## **4. Replace the water filter.**

Many stand-by generators come equipped with a water filter which will need to be serviced. Standard Service filters will need to be replaced at each oil drain interval while Extended Service interval filters are designed to last 4,000 hours. Water filters should be changed annually even if the service intervals have not been met due to the heat in the system.



Product	Fleetcool	Fleetcool EX ES Compleat	ES Compleat NOAT	ES Compleat OAT
Test Interval	Every Oil Drain Interval	4,000 Hours	6,000 Hours	6,000 Hours
Fleetguard Test Kit:	CC2602-Three-Way Test Kit CC2718 - Quick Chek	CC2602-Three-Way Test Kit CC2718 - Quick Chek	CC2602-Three-Way Test Kit	CC8997-Four-Way Test Kit
Compatible Maintenance Fluids (used only as directed)	DCA2 Liquid Extender or Standard Service Interval Water Filters with DCA2	DCA2 or DCA4 Liquid Extender or Extender Service Interval Water Filters with DCA	ES Compleat NOAT Extender	ES Compleat OAT 50/50 Premixed Coolant
Refractometer	CC2806	CC2806	CC2806	CC8998

**Table 1:** Summary of Maintenance Recommendations and Products by Coolant Type

## Summary of Recommendations:

- Step 1:** Review coolant options to choose the best coolant for your application. ES Compleat OAT is the Cummins preferred coolant. Cummins endorses and recommends Fleetguard Coolants.
- Step 2:** Check freeze point protection using a refractometer and adjust if needed.
- Step 3:** Check the coolant condition with a Fleetguard Test Kit at the intervals provided in Table 1. Submit a coolant sample to the Monitor test lab for a full analysis at every other service interval.
- Step 4:** Follow the instructions on the Fleetguard test kit to maintain the performance of the coolant.
- Step 5:** Replace your water filter at the recommended interval.