



# ES Compleat™ OAT\*

Lifetime Heavy Duty Fully Formulated Antifreeze/Coolant  
Nitrite, Amine, Phosphate and Silicate Free

COOLANT



\* OAT = Organic Acid Technology

## Performance

- 'Life-of-Engine' coolant with 1,600,000km useful life under normal operating conditions
- Fully meets ASTM D-3306, D-6210, D-4985 and Cummins CES14603, 14439 and 14636 performance requirements
- OEM approved Nitrite, Amine, Phosphate and Silicate-free formulation
- Provides antifreeze and antiboil protection
- Superior liner pitting and corrosion protection
- Superior aluminum and solder protection
- Compatible with gaskets, elastomers and other non-metallics in the engine
- Optimizes cooling system performance and water pump life
- Contains proprietary scale inhibitors

## Versatility

- Compatible with all other antifreeze/coolants
- Available in concentrate and 50/50 Premix
- For all diesel, gasoline and natural gas engines

## Serviceability

- Easily maintained with ES Compleat OAT Premix
- Compatible with chemical-free ES water filters
- Easy to use test strips monitor glycol and additive levels providing protection against coolant dilution

## ES Compleat OAT - Technical Specifications

Specification	Performance Standard	Concentrate	Premix 50/50
Colour	Visual	Red	Red
Specific Gravity @ 15.56°C	D1122	1.130	1.070
Density	-	1.13 kg/L	1.07 kg/L
pH (undiluted)	D1287	8.6	8.6
Reserve Alkalinity (undiluted)	D1121	9.3	4.6
Freeze Point (undiluted)	D1177	-13.33°C. min.	-36.67°C. min.
Boiling Point (undiluted)	D1120	170.00°C. min.	107.78°C. min.
Water by Weight (approx.)	D1123	4.0% max.	47.0% max.
Total Glycol by Weight	-	95% min.	51.0% min.
Glassware Corrosion Test	D1384	Pass	Pass
Aluminum Corrosion Test	D4340	Pass	Pass
Simulated Service Test	D2570	Pass	Pass
Aluminum Water Pump Test	D2809	Pass	Pass
Silicates	-	None	None

## ES Compleat OAT is available in the following packaging sizes

	EG Concentrate	EG PreMix 50/50
5 l (jar )	CC36070EDJ	CC36074EDJ
20 l (pail )	CC36070EDP	CC36074EDP
208 l (drum)	CC36070EDD	CC36074EDD
1,000 l (tote)	CC36070EDT	CC36075M
Bulk	CC36070ED	CC36074ED

## Three Easy Steps to Achieve Superior Cooling System Performance:

### 1. Clean your Cooling System

Cummins Filtration recommends Restore (CC2610EDJ) to remove oil and grease contamination. For rust, corrosion, solder bloom and scale removal use Restore Plus (CC2638EDJ).



### 2. Fill your Cooling System

For all European Medium & Heavy-Duty Truck Applications fill and top off your system with **ES Compleat OAT** or **Fleetcool OAT** EG Premix or Concentrate.



### 3. Monitor your Cooling System

The following quick and accurate tools are all you need: For **ES Compleat** use **3-Way Test Kit**: Measures Freeze Point, Molybdate and Nitrite levels (CC2602M).

For **ES Compleat OAT** and **Fleetcool OAT** use **4-Way Test Kit**: The test kit detects coolant dilution, contamination and indicate if service is required and help avoid unnecessary coolant replacement (CC8997M).

**H<sub>2</sub>O Water** Test Strips: Dip and read test to measure tap water quality in less than a minute.

**Quik Chek** Coolant Quality Test Kit: Dip & Read test to measure pH, Chloride and Sulphate levels. Determines GO or NO-GO regarding quality of coolant (CC2718).



### The useful life of a coolant ends when:

- The chemical additives in the coolant are outside acceptable limits - typically caused by topping off with a concentrate or water only or by failing to do maintenance at the recommended service interval.
- The pH is outside acceptable limits - typically caused by combustion gases entering the cooling system from head or EGR cooler failures.