Fuel Additives

Fuel Testing

Every great maintenance program should include regular fuel testing to determine fuel quality. FleetGuard fuel testing does not meet industry specifications or contain contaminants that can dramatically decrease engine performance and fuel system life, cause premature filter plugging and impact fuel economy. Adding regular fuel testing to the maintenance regimen ensures fuel quality issues are detected early to avoid operation breakdown.

**MONITOR Fuel Analysis Laboratory Test Kits**

The FleetGuard Fuel Analysis program provides extensive laboratory testing to determine the quality of your fuel.

**GO/NO GO ANALYSIS - CC2650**

This kit tells you if your fuel will contribute to premature filter plugging. Tests included:
- Fuel Flow
- Water and Sediment
- Bacteria, Fungi, Mold
- Metal Spectro Analysis
- Sulfur %
- Oxygen %
- Metals
- Pulverization
- Zonotape
- Water by Karl Fischer
- Density
- Water

**Diesel Fuel Quality Analysis - CC2651**

This kit will tell you if your diesel fuel meets ASTM D975 #2 diesel fuel specifications. Tests included:
- Fuel Flow
- Water and Sediment
- Bacteria, Fungi, Mold
- Metal Spectro Analysis
- Sulfur %
- Oxygen %
- Metals
- Pulverization
- Zonotape
- Water by Karl Fischer
- Density
- Water

For more detailed technical information about all products featured in this brochure, visit the Fleetguard Technical Information Catalog - LT32599. Some product numbers may not be available in all countries. Contact your local customer assistance center for product availability.

Fleetguard® Cooling System Products: Genuine Protection

We also provide genuine engine parts and accessories with our line of cooling system products. Experts report up to 60% of unanticipated downtime is a result of a cooling system failure. Our comprehensive product line provides everything you need to ensure a trouble free, easy maintenance program. To learn more about our cooling system products, see our Cooling System Brochure - LT36078 available on cumminsfiltration.com.

Monitoring Your Fuel: Fleetguard

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- Water and Sediment
- Bacteria, Fungi, Mold
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- Sulfur %
- Oxygen %
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- Pulverization
- Zonotape
- Water by Karl Fischer
- Density
- Water

**Diesel Fuel Quality Analysis - CC2651**

This kit will tell you if your diesel fuel meets ASTM D975 #2 diesel fuel specifications. Tests included:
- Fuel Flow
- Water and Sediment
- Bacteria, Fungi, Mold
- Metal Spectro Analysis
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As a global leader in the design of technologies that provide maximum engine protection, Cummins Filtration offers an array of fuel additives to enhance the fuel system performance and support new emission standards. Changing regulations that have led to the use of biodiesel blends and ULSD fuels have created unique maintenance needs across the globe. The addition of high-quality fuel additives is now an important element in every diesel engine maintenance program. With several application options to choose, Cummins Filtration offers fuel additives that make a real difference in the modern engine fuel quality. Fleetguard® Fuel Additives provide performance you can depend on.

**Turbo Diesel - All Season Fuel Additive**

Address all of your major fuel quality concerns in one simple dosing step. This OEM approved fuel additive provides an immediate cetane boost for improved starting, cleaner fuel injectors, and optimized fuel economy. In winter operations, it also protects fuel from wax gelation and filter plugging.

**Part #** | **Package Size** | **Treat Rate**
--- | --- | ---
C25240 | 1 Qt. (0.94 L) | 1:100 Gal. (0.94: 9,460 L)
C25241 | 1 Gal. (3.78 L) | 1:5,000 Gal. (3.78: 18,927 L)
C25242 | 4/ 1 Quart Bottles (0.94 L) | 1:2,500 Gal. (0.94: 9,463 L)

**Features/Benefits**

- **Reduces White and Black Smoke**
- **Effective on Both Traditional and ULSD-Based Soapy Deposits**
- **Optimizes Fuel Economy**
- **Prevents Gelation by Reducing Cold Flow Plugging Point (CFPP)**
- **Enhances Fuel Lubricity**
- **Reduces Exhaust Emissions**
- **Cleans Fuel Injectors (Meets Cummins L10 Spec)**
- **Reduces Pour Point Up to 38º F**
- **Reduces Carbonaceous Deposits**
- **Boosts Cetane - Reduces Hard Starts**
- **Longer Protection (Only 2 treatments/year)**
- **Improves Fuel Quality**
- **Extends Fuel Filter Life**
- **OEM Approved**
- **Compatible with All Types of Diesel Fuel (including ULSD** and Biodiesel Blends up to B20)

**Winter Conditioner**

When the weather is cold, fuel problems can create havoc in your engine. Our Winter Conditioner is a proprietary formula designed for a broad range of low sulfur fuels. It is especially designed to prevent cold weather maintenance problems before they become disasters.

**Part #** | **Package Size** | **Treat Rate**
--- | --- | ---
C25141 | 1 Gal. (3.78 L) | 1:Quarter (0.94: 946 L)
C25142 | 4/ 1 Quart Bottles (0.94 L) | 1:2,500 Gal. (0.94: 9,463 L)

**Features/Benefits**

- **Boosts Cetane - Reduces Hard Starts**
- **Prevents Gelation by Reducing Cold Flow Plugging Point (CFPP)**
- **Optimizes Fuel Economy**
- **Prevents Pour Point Up to 30º F**
- **Cleans Fuel Injectors**
- **Ensures Better Cold Start Performance**
- **Reduces Cold Flow Plugging Point (CFPP)**
- **Reduces Fuel Consumption**
- **Extends Fuel Filter Life**
- **Improves Fuel Quality**
- **OEM Approved**
- **Compatible with All Types of Diesel Fuel (including ULSD** and Biodiesel Blends up to B20)

**Microbicide**

Low sulfur diesel and biodiesel fuel is particularly vulnerable to water contamination during transport and storage. Once water gets in the diesel fuel system, it creates the opportunity for an invasional microorganisms. Microbes attach at the fuel/water interface, where they thrive and multiply. Once established, they entrench themselves in a thick layer of slimy deposits and create a number of troublesome maintenance problems, including premature filter plugging, hazy fuel, clogged injectors, and increased combustion and power problems. Microbicides can prevent these problems, including premature fuel filter plugging, hazy fuel, clogged injectors, as well as fuel storage tank corrosion and leakage. Compliant® Microbicide is the best biocide available in the marketplace today.

**Part #** | **Package Size** | **Treat Rate**
--- | --- | ---
C25251 | 1 Qt. (0.94 L) | 1:2,500 Gal. (0.94: 9,463 L)
C25252 | 1 Gal. (3.78 L) | 1:5,000 Gal. (3.78: 18,927 L)

**Features/Benefits**

- **Reduces Premature Filter Plugging**
- **Prevent Biofouling**
- **Prevent Gelation**
- **Prevent Premature Fuel Filter Plugging**
- **Compatible with All Types of Diesel Fuel (including ULSD** and Biodiesel Blends up to B20)
- **100% Biodegradable**
- **Ccrs Labeling**
- **Compatible with All Types of Diesel Fuel (including ULSD** and Biodiesel Blends up to B20)

**Microbicide Fuel Sampling & Testing Kits**

**Fuel Sampling Kit - C25203**

This kit is equipped with all the necessary supplies needed to properly collect a fuel sample for testing. This kit comes complete with a tank bottom collector kit, sample bottles and labels, and a sturdy carrying case.

**Bug Alert Test Kit - C25224**

This kit makes real determinations of fungal and bacterial populations quick and easy. Each kit comes complete with everything you need to test your fuel. No special equipment or training is necessary.
Genuine Performance
Fleetguard® Fuel Additives provide performance you can depend on.

Fleetguard Fuel Additives

As a global leader in the design of technologies that provide maximum engine protection, Cummins Filtration offers an array of fuel additive products to enhance the fuel system performance and support new emission standards. Changing regulations that have lead to the use of biodiesel blends and ULSD fuels have created unique maintenance needs across the globe. The addition of high quality fuel additives is now an important element in every diesel engine maintenance program.

With several application options to choose, Cummins Filtration offers fuel additives that make a real difference in the modern engine fuel quality. Fuel additives are now an important element in every good diesel engine maintenance program. Lead to the use of biodiesel blends and ULSD fuels have created unique maintenance needs across the globe. The addition of high quality fuel additives is now an important element in every diesel engine maintenance program.

Features/Benefits
• Prevents New Deposits from Forming
• Restores Power
• Restores Injector Performance

Fleetguard Diesel Fuel Injector Cleaner is a ultra concentrated detergent additive that uses a technologically-advanced formula designed for a broad range of low sulfur fuels. It is especially designed to prevent cold weather problems, including premature fuel filter plugging and a number of troublesome maintenance problems, including permanent fuel filter plugging, hazy fuel, clogged injectors, as well as fuel storage tank corrosion and leakage. Compleat™ Microbicide is the best biocide available in the marketplace today.

Features/Benefits
• Reduces White and Black Smoke
• Effective on Both Traditional and ULSD-Based Soapy Deposits

Turbo Diesel - All Season Fuel Additive

Address all of your major fuel quality concerns in one simple dosing step. This OEM approved fuel additive provides an immediate cetane boost for improved starting, cleaner fuel injectors, and optimized fuel economy. To further operations, it also protects fuel from water contamination and fuel plugging.

Features/Benefits
• Prevents Gelation by Reducing Cold Filter Plugging Point (CFPP)
• Optimizes Fuel Economy
• Eliminates/Prevents Microbial Growth

Microbicide

Low sulfur diesel and biodiesel fuel is particularly vulnerable to water contamination during transport and storage. Once water gets in the diesel fuel system, it creates the opportunity for an invasion of microorganisms. Microbes attack at the fuel/water interface, where they thrive and multiply. Once established, they entrenched themselves in a thick layer of slimy deposits and create a number of troublesome maintenance problems, including premature fuel filter plugging, hazy fuel, clogged injectors, as well as fuel storage tank corrosion and leakage. Compleat™ Microbicide is the best biocide available in the marketplace today.

Features/Benefits
• Prevents Fuel-line Freeze-up
• Compatible with All Types of Diesel Fuel (including ULSD® and Biodiesel Blends Up to B20)

Microbicide Fuel Sampling & Testing Kits

This kit is equipped with all the necessary supplies needed to properly collect a fuel sample for testing. This kit comes complete with a tank bottom collection kit, sample bottles and labels, and a sturdy carrying case.

Features/Benefits
• Provides Gelation by Reducing Cold Filter Plugging Point
• Prevents Fuel Filter Plugging
• Improves Fuel Quality

Microbicide Sampling Kit - CC2523

Microbicide Fuel Sampling & Testing Kits

This kit comes complete with all the necessary supplies needed to properly collect a fuel sample for testing. This kit comes complete with a tank bottom collection kit, sample bottles and labels, and a sturdy carrying case.

Features/Benefits
• Provides Gelation by Reducing Cold Filter Plugging Point
• Prevents Fuel Filter Plugging

Microbicide Sampling Kit - CC2524

Microbicide Fuel Sampling & Testing Kits

This kit comes complete with all the necessary supplies needed to properly collect a fuel sample for testing. This kit comes complete with a tank bottom collection kit, sample bottles and labels, and a sturdy carrying case.

Microbicide Sampling Kit - CC2524

Microbicide Fuel Sampling & Testing Kits

This kit comes complete with all the necessary supplies needed to properly collect a fuel sample for testing. This kit comes complete with a tank bottom collection kit, sample bottles and labels, and a sturdy carrying case.

Microbicide Sampling Kit - CC2523

Microbicide Fuel Sampling & Testing Kits

This kit comes complete with all the necessary supplies needed to properly collect a fuel sample for testing. This kit comes complete with a tank bottom collection kit, sample bottles and labels, and a sturdy carrying case.

Microbicide Sampling Kit - CC2524
On-Board Lubricity Dosing Systems

Asphaltenes are a major cause of premature filter plugging. Fleetguard Asphaltenes Conditioner is proven to prevent plugging and extend fuel filter life while keeping vital engine components clean and lubricated.

**Features/Benefits**
- Prevent Fuel Clogging
- Stabilizes Diesel Fuel
- Clean Injector
- Improved Lubricity
- Optimizes Fuel Economy and Horsepower
- Prevents Fuel System Corrosion Protection

**Fleetguard® Cooling System Products: Genuine Protection**

We also provide genuine cooling system products with our line of cooling system protection products. Experts report up to 40% of unanticipated downtime is a result of a cooling system failure. Our comprehensive product line provides everything you need to ensure proper cooling, easy maintenance, and a trouble free, easy maintenance program. To learn more about our cooling system products, see our Cooling System Brochure - LT36049NA - Rev 3, ©2013 Cummins Filtration Inc., Printed in USA.

For more detailed technical information about all products featured in this brochure, please refer to the Fleetguard Technical Information Catalog - LT25508.

Some part numbers may not be available in all countries. Contact your local customer assistance center for product availability.

**Fuel Additives**

Fuel Testing

Fleetguard offers a range of regular fuel testing to determine fuel quality. Fleetguard Fuel Quality Analyzer provides the proper fuel quality testing to the maintenance regimen ensuring fuel quality issues are detected early to avoid operation downtime.

**MONITOR Fuel Analysis Laboratory Test Kits**

This kit will tell you if your fuel will contribute to premature filter plugging. Tests included:
- Flash Point
- Water and Sediment
- Bacteria, Fungi, Mold
- Metal Spectra Analysis

Diesel Fuel Quality Analysis - CC2650

This kit will tell you if your diesel fuel meets ASTM D975 #2 fuel specifications. Tests included:
- Flash Point
- Water and Sediment
- Bacteria, Fungi, Mold
- Metal Spectra Analysis

**Fuel Additives**

- Compatible with ULSD & Biodiesel up to B20
- Compatible with ULSD & Biodiesel up to B20
- Required for Cummins B Series Tier 2 engines in Jet A & JP8 applications
- Required for Cummins B Series Tier 2 engines in Jet A & JP8 applications
- Compatible with ULSD & Biodiesel up to GO
- Compatible with ULSD & Biodiesel up to GO
- Stabilizes Diesel Fuel
- Ensures that most Jet A and JP8 fuels meet the lubricity specification in ASTM D975
- Required for Cummins B Series Tier 3 engines in Jet A & JP8 applications
- Compatible with ULSD & Biodiesel up to GO

For more detailed technical information about all products featured in this brochure, please refer to the Fleetguard Technical Information Catalog - LT25508.

Some part numbers may not be available in all countries. Contact your local customer assistance center for product availability.
Fleetguard® Fuel Additives provide performance you can depend on.

Fleetguard Fuel Additives

As a global leader in the design of technologies that provide maximum engine protection, Cummins Filtration offers an array of fuel additives to ensure the fuel system performs and support new emission standards. Changing regulations that lead to the use of biodiesel blends and ULSD fuels have created unique maintenance needs across the globe. The addition of high quality fuel additives is now an important element in every diesel engine maintenance program. With several application options to choose, Cummins Filtration offers fuel additives that make a real difference in the modern engine fuel system, including improved fuel economy, longer service intervals, reduced exhaust emissions, and increased combustion and power.

Diesel Fuel Injector Cleaner

Diesel Fuel Injector Cleaner is a six-concentrated liquid additives that use a technologically-advanced formula to remove traditional and soap-based deposits, which helps reduce fuel injector performance. Diesel Fuel Injector Cleaner’s proprietary relative of advanced additives is specifically formulated to clean fuel injectors. When used continuously, it also prevents new deposit formations. thereby enhancing engine performance and maintaining injector life.

Features/Benefits
- Enhanced Injector Performance
- Restores Power
- Prevents New Deposits from Forming
- Reduces Fuel Line Freeze-up
- Eliminates/Prevents Microbial Growth
- Optimum Fuel Economy
- Effective on Both Traditional and ULSD-Based Soapy Deposits
- Reduces Cold Flow Plugging Point (CFPP)
- Prevents Gelation by Reducing Cold Flow Plugging Point (CFPP)
- Extends Fuel Filter Life
- Improves Fuel Quality
- Improved Fuel Lubricity
- Optimizes Fuel Economy
- Prevents Ice Crystal Formation
- Reduces Pour Point Up to 38º F
- Prevents Cold Filter Plugging Point (CFPP)
- Corrosion Inhibitor
- Fuel Line Freeze Prevention
- Reduces Cold Filter Plugging Point (CFPP)
-Extends Fuel Lubricity
- Clean Fuel Injectors (Meets Cummins L10 Spec)
- Improves Fuel Quality
- Optimizes Fuel Economy
- Prevents ice crystal formation
- Reduces pour point up to 38°F
- Prevents cold filter plugging point (CFPP)

Part # Package Size Maintenance Use Rate Cleanup Use Rate
CC2591 4/ 1 Quart Bottles (0.94 L) 1 Quart: 2,500 Gal. (0.94: 9,463 L)
CC2590 5 Gal. Pail (18.92 L) 5: 10,000 Gal. (18.92: 79,100 L)
CC2589 208 L Drum (55 Gal.) 55: 55,000 Gal. (208: 208,000 L)

Winter Conditioner

When the weather is cold, fuel problems can create havoc in your engine. Our Winter Conditioner is a proprietary formula designed for a broad range of low sulfur fuels. It is especially designed to prevent cold weather maintenance problems before they become disasters.

Features/Benefits
- Prevents Gelation by Reversing Cold Filter Plugging
- Prevents Fuel Line Freeze-up
- Improves Cold Weather Starting
- Enhances Fuel Quality
- Extends Fuel Filter Life
- Optimizes Fuel Economy
- Prevents Fuel-line freeze-up
- Improves Cold Weather Starting
- Enhances Fuel Quality
- Extends Fuel Filter Life
- Optimizes Fuel Economy
- Prevents fuel-line freeze-up
- Improves cold weather starting
- Enhances fuel quality
- Extends fuel filter life
- Optimizes fuel economy

Part # Package Size Maintenance Use Rate
CC2662 Concentrate 55 Gal. Drum (208 L) 55: 82,500 Gal. (208: 312,000 L)
CC2661 4/ 1 Quart Bottles (0.94 L) 1 Quart: 2,500 Gal. (0.94: 9,463 L)
CC2660 1 Gal. Bottle (3.78 L) 1 Gal.: 10,000 Gal. (3.78: 37,854 L)
CC2659 5 Gal. Pail (18.92 L) 5: 10,000 Gal. (18.92: 79,100 L)
CC2658 55 Gal. Drum (208 L) 55: 55,000 Gal. (208: 208,000 L)

Turbo Diesel - All Season Fuel Additive

Address all of your major fuel quality concerns in one simple dosing step. This OEM approved fuel additive provides an immediate cetane boost for improved starting, cleaner fuel injectors, and optimized fuel economy. In winter operations, it also protects fuel from wax gelation and filter plugging.

Features/Benefits
- Prevents Gelation
- Optimum Fuel Economy
- Boosts Cetane - Reduces Hard Starts
- Prevents Cold Filter Plugging Point (CFPP)
- Improves Diesel Filter Life
- Improves Fuel Quality
- Optimizes Fuel Economy
- Prevents Fuel-line freeze-up
- Improves Cold Weather Starting
- Enhances Fuel Quality
- Extends Fuel Filter Life
- Optimizes Fuel Economy
- Prevents fuel-line freeze-up
- Improves cold weather starting
- Enhances fuel quality
- Extends fuel filter life
- Optimizes fuel economy

Part # Package Size Maintenance Treat Rate
CC2038 1 Qt (0.94 L) 1: 1,250 Gal. (0.94: 4,732 L)
CC2036 5 Gal. Pail (18.92 L) 5: 1,000 Gal. (18.92: 3,785 L)
CC2034 208 L Drum (55 Gal.) 55: 250 Gal. (208: 946 L)

Microbicide

Low sulfur diesel and biodiesel fuel is particularly vulnerable to water contamination during transport and storage. Once water gets in the diesel fuel system, it creates the opportunity for an invasion of microorganisms. Microbes attach to the fuel barrier interface, where they thrive and multiply. Once established, they extend themselves in a final layer of slime deposits and create a number of troublesome maintenance problems, including premature fuel filter plugging, hazy fuel, clogged injectors, as well as fuel storage tank corrosion and leakage. Complera® Microbicide is the best biocide available in the marketplace today.

Features/Benefits
- Immediate Results - 48 Hours
- Ideal for Filtration and Storage systems
- Microbicide PLUS (Complera®)
- Biofilm Inhibitor
- Outperforms Conventional Flow Improvers
- OEM Approved
- Compatible with All Types of Diesel Fuel (including ULSD® and Biodiesel Blends up to B20)
Fuel Additives

Fuel Testing
Every good maintenance program should include regular fuel testing to determine fuel quality. Fleetguard fuel products do not meet new industry specifications or contain contaminants that can dramatically decrease engine performance and fuel system life, cause premature filter plugging and impact fuel economy. Adding regular fuel testing to the maintenance regimen ensures fuel quality issues are detected early to avoid operation downtime.

MONITOR Fuel Analysis Laboratory Test Kits
The Fleetguard Fuel Analysis program provides extensive laboratory testing to determine the quality of your fuel.

GO/NO GO ANALYSIS - CC2550
This kit will tell you if your fuel will contribute to premature filter plugging. Tests included:
- Fuel Front
- Water and Sediment
- Bacteria, Fungi, Mold
- Metal Spectro Analysis

Diesel Fuel Quantity Analysis - CC2551
This kit will tell you if your diesel fuel meets ASTM D975 #2 diesel specification. Tests included:
- Fuel Front/Cloud Point
- Water and Sediment
- Bacteria, Fungi, Mold
- Thermal Stability

Fuel Additives

Asphaltene Conditioner
Asphaltenes are a major cause of premature filter plugging. Fleetguard Asphaltene Conditioner is proven to prevent plugging and extend fuel filter life while keeping vital engine components clean and lubricated.
- Reduced Fuel Consumption
- Reduced Emissions
- OEM Approved
- Compliant with ULSD & Biodiesel up to B20
- Compatible with ULSD & Biodiesel up to B20
- Required for Cummins B Series Tier 2 engines in Jet A & JP8 applications
- Required for Cummins B Series Tier 3 engines in Jet A & JP8 applications

Features/Benefits
- Improved Lubricity
- Optimized Fuel Economy and Horsepower
- Prevents Fuel System Corrosion Protection
- Compatibility with all types of diesel fuel (including ULSD)
- OEM Approved
- Reduced Fuel Consumption
- Reduced Emissions
- Required for Cummins B Series Tier 2 engines in Jet A & JP8 applications
- Required for Cummins B Series Tier 3 engines in Jet A & JP8 applications

Fuel Additives Catalog - LT32599
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Fuel Additives

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