

YOUR ENGINE POWER TO



GFFGARD[®] IMPROVED ENGINE DURABILITY | INCREASED FUEL ECONOMY STREAMLINED INVENTORY | LOWER CARBON FOOTPRINT



GIVE YOUR ENGINE THE POWER TO DELIVER MORE WITH OUR HEAVY DUTY ENGINE OILS

- Premium line of heavy duty engine oils (HDEOs) for improved engine durability and performance, and protection in old and newer engines.
- Formulated for heavy, medium and light duty off-road and commercial on-road vehicles as well as stationary diesel engines.
- A wide product range for multiple engine types: gasoline, diesel, and natural gas engines.
- Approved, or suitable, for use in engines by leading heavy-duty engine manufacturers, including Ford, PACCAR, Volvo, Caterpillar, Cummins, Mack, Detroit Diesel and Mercedes-Benz.
- Guaranteed to reduce total operating cost, improve fuel efficiency* and improve carbon footprint.

*For guaranteed results, ask about the CITGO Guaranteed Efficiency Program.





Multiple Options To Fit Your Unique Operations

Benefit Bating	Lower Total Operating Cost				Total Page		
Product	Extended Oil Drain Capability	Fuel Efficiency*	Engine Protection	OEM Performance Approvals & Brand Support	Number (TBN) Protection	Multi-Fuel Capability	
CITGARD 700 10W-30 CK-4 <i>Synthetic-Blend</i>	Better	Better	Better	API CK-4, API SN, Cummins CES 20086, Volvo VDS-4.5,	Better	-	
CITGARD 700 15W-40 CK-4 <i>Synthetic-Blend</i>	Better	Good	Better	Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2 Allison TES-439, ACEA E9, E7**, Daimler MB 228.31**, Deutz DQC III-18 LA**, MTU 0il Category 2.1**, Ford WSS M2C171-F1, JASO DH-2**, Mack EOS-4.5, Renault RLD-3, and MAN 3775. Field test support	Better	-	
CITGARD 700 MFE 10W-30 FA-4 <i>Synthetic-Blend</i>	Better	Best	Better	API FA-4, Cummins CES 20087, Detroit Diesel DFS 93K223, Field test support	Better	-	
CITGARD 800 15W-40 Multi-Fuel <i>Synthetic-Blend</i>	Better	Good	Better	API CK-4, API SN, Cummins CES 20086, Volvo VDS-4.5, Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2; <i>Allison TES-439</i> ;	Better	Applicable	
CITGARD 800 10W-30 Multi-Fuel <i>Synthetic-Blend</i>	Better	Better	Better	ACEA E9-2016**, E7; Daimler MB 228.31***; Deutz DOC III-18 LA; MTU Oil Category 2.1**; Cummins CES 20092; JASO DH-2**; Mack EOS-4.5, Renault RLD-3, and MAN 3775. Field test support	Better	Applicable	
CITGARD 1000 5W-30 <i>Full Synthetic</i>	Best	Best	Best	API CK-4, API SN, Cummins CES 20086, Volvo VDS-4.5, Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2;	Best	-	
CITGARD 1000 5W-40 <i>Full Synthetic</i>	Best	Better	Best	Allison 1ES-439; ACEA E9**, E7; Daimler MB 228.31**; Deutz DQC III-18 LA; MTU Oil Category 2.1**; Ford WSS M2C171-F1; JASO DH-2**; Mack EOS-4.5, Renault RLD-3, and MAN 3775. Field test support	Best	-	
CITGARD 600 15W-40 <i>Conventional</i>	Good	Good	Good	API CK-4, API SN*, Cummins CES 20086, Volvo VDS-4.5. Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2, MTU Oil Category 2.1**, Ford WSS M2C171-F1 Mack EOS-4.5, Renault RLD-3, and Allison TES-439.	Good		
CITGARD 600 10W-30 <i>Conventional</i>	Good	Better	Good		Good		
*Compared to a 15W-40 grade * Only applies to the 15W-40 grade							

** Meet performance	
CITGARD 600, 700 and 1000 API SN claim only applies to 15W-40/5W-40	API SN claim only applies to 15W-40
CITGARD 600, 700, 800 and 1000	Allison TES-439 is 15W-40 only

Availability



Support Services to Enhance Your Maintenance Program



LubeAlert Fluid Condition Monitoring Service. Used oil analysis provides valuable information on the life of your oil and critical components. LubeAlert is a state-of-the-art fluid condition monitoring service used for predictive and preventative equipment maintenance.

Find out more at https://www.lubealert.com



Guaranteed Efficiency Program. Try CITGARD HD fuel efficiency engine oils and supplemental efficiency lubricants - to demonstrate up to 1.5% fuel economy savings at no risk. We are so confident CITGARD will improve fuel efficiency we'll give you a drum of it for free to put us to the test. The Guaranteed Efficiency Program combines fuel efficient engine oils and state of the art monitoring systems alongside personalized sales and technical support to guarantee the oils does what we say it will.

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Find out more at www.citgolubes.com/guaranteed-efficiency-program

Leading Fleets Choose CITGARD









SYNTHETIC BLEND FUEL ECONOMY

SAE Grades: 15W-40 CK-4, 10W-30 CK-4, 10W-30 FA-4

Fuel Efficiency Up to 3.5%
Total Lower Operating Cost

CITGARD 700 Synthetic provides superior performance for commercial trucks, agricultural equipment, construction equipment, stationary diesel engines, and other diesel-fueled engine applications operating under extreme conditions. It demonstrates excellent viscosity stability,

The premium base stocks in the formulation protect engines running at higher operating temperatures and higher fuel injection pressures, while meeting tighter wear limits and lower emission requirements. acid neutralization and oxidation control characteristics required for protection in newer diesel engines, and older diesel engines.

Offered in 15W-40 CK-4, 10W-30 CK-4 and 10W-30 FA-4 grades, CITGARD 700 provides a range of fuel economy benefits - up to 3.5% without compromise to engine durability.

CITGARD 700 CK-4 is recommended for the following applications: API CK-4, API SN*, Cummins CES 20086, Volvo VDS-4.5, Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2 Allison TES-439*, ACEA E9, E7**, Daimler MB 228.31**, Deutz DQC III-18 LA**, MTU Oil Category 2.1**, Ford WSS M2C171-F1, JASO DH-2**.

CITGARD 700 FA-4 is recommended for the following applications: API FA-4, Cummins CES 20087, Detroit Diesel DFS 93K223.

*Only applies to 15W-40 grade.

**Meets performance.





How CITGARD 700 Reduces Total Operating Cost

CITGARD 700 is proven to deliver up to 3.5% in fuel economy and **capable of extending oil drain intervals** without compromising engine durability.

Reduced Fuel Costs

Fuel economy remains a concern for fleets as fuel cost continues to top the list of vehicle-based motor carrier costs¹. CITGARD 700 reduces fuel consumption in fleets switching from a 15W-40 CK-4 to a 10W-30 CK-4 by up to 3.5%*.

Fuel Savings Advantage

Savings Category	Conventional 15W-40	CITGARD [®] 700 Synthetic Blend 10W-30	Savings*
Number of Units	100	100	
Annual Mile/Unit	100,000	100,000	
MPG	6.50	6.68	
Fuel Savings % Increase	None	3.00	
Fuel Cost	2.00	2.00	
Annual Unit Fuel Gallons	15,384	14,970	414
Annual Unit Fuel Cost	\$30,768	\$29,940	\$828
Fleet Annual Fuel Gallons	1,538,400	1,497,000	41,400
Total Savings Including Cost of Oil			\$82,800

*Savings is example only - individual fleet result will vary. Ask your CITGO rep about the Guaranteed Efficiency Program.

Extended Engine Life

CITGARD 700 FA-4 oil demonstrates outstanding piston cleanliness while competitors oils formulated at a higher viscosity show deposits



CITGARD 700 MFE formulation provides high temperature deposits inhibition on piston rings Deposit increase wear on cylinder liners which results in blowby



CITGARD 700 reduces costs associated with engine repair and maintenance by providing superior lubricity between critical components, and minimizing wear.

*For guaranteed results, ask about the CITGO Guaranteed Efficiency Program. 1Mainstays Cool Mist Ultrasonic Aroma Oil Diffuser

Less Downtime, More Operating Hours



CITGARD 700 10W-30 FA-4 has greater TBN retention than competitor 15W-40 CK-4 oils and excellent oxidation control



CITGARD 700 showed excellent engine performance with exceptional acid neutralization capabilities and oxidation control in high HTHS, 15W-40 CK-4, and low HTHS 10W-30 FA-4 viscosity ranges, outperforming competing products in TBN retention.

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Low Viscosity Oil: How Low is Too Low?

Switching to a low viscosity HDEO could offer unprecedented fuel economy benefits. But there are concerns about the wear protection capabilities of low viscosity grades. Consider these factors when deciding if a low viscosity HDEO is right for your operation:

- Carbon reduction regulations by the Environmental Protection Agency are driving technologies in newer diesel engines aimed at lowering Greenhouse Gas emissions.
- Newer truck engines are fitted with applications, such as polymeric coatings, and components, such as diesel particulate filters, for enhanced fuel economy and friction protection.
- More OEMs are adopting 10W-30 CK-4 HDEO for their factory-fill, and some are going even further with FA-4.
 *OEMs provide valuable resources on allowable limits on viscosity grades and ODI extension.
- When it comes to viscosity, thicker is not always better. Rather, a balanced formulation, proven to provide engine protection, coupled with fuel economy benefits should be considered.

CITGO runs extensive product field trials and can provide insight and technical consultations to help you switch with confidence. With lubricant management programs such as the **Guaranteed Efficiency Program** and **LubeAlert Fluid Condition Monitoring Service**, CITGO Lubricants provides the tools you need to monitor the progress of your fleet during and after a switch.

*CITGARD 700 FA-4 is recommended for newer generation vehicles and not recommended for older engines. Fleets with new generation engines should also consider CITGARD 1000, which delivers extra fuel economy benefits without compromise to engine durability.



Brundage-Bone Saves Up To 2.5% In Fuel Cost After Switching to CITGARD 700 10W-30 Heavy Duty Engine Oil

Reducing fuel costs and improving overall maintenance are top priorities for Brundage-Bone. They switched their 450-fleet operation to CITGARD 700 heavy-duty engine oil after reviewing performance insights. Independent reports from a third-party telematics provider showed a 2.5% saving in fuel costs among other benefits.

Learn more about how CITGO helped Brundage-Bone switch their fleet.









IF FUEL EFFICIENCY MATTERS TO YOU, TRY THE CITGO GUARANTEED EFFICIENCY PROGRAM – RISK FREE

We know that bottom-line results matter to you. And that you need assurance before changing products and suppliers. With others offering similar claims, how can you be sure you are making the right decision for your operation? The CITGO Guaranteed Efficiency Program (GEP) can help you make a definitive decision.

GEP is a risk-free trial program that lets you put the power of CITGO CITGARD® to the test. If you are currently running on a 15W-40 engine oil, you may be able to achieve at least a 1.5% fuel efficiency improvement when you switch to a recommended lower-viscosity CITGARD product. 30 days is all we oak better

30 days is all we ask. Let us demonstrate how CITGARD can help you increase your bottom line.

Your CITGO rep is standing by to set up the process of product selection and enrollment. Let's get you started now!

Terms and Conditions

To qualify for the free drum, user must work with an approved CITGO representative, select CITGARD 700, 800 or 1000 oil with a viscosity of 10W-30 or for 1000 only 5W-30, work with CITGO representative to perform two tests (one with user's existing 15W-40 oil and a second test using the selected CITGO product). If the customer begins to use CITGO products or the product doesn't show a 1.5% or higher increase in fuel efficiency, the drum is free. If the test shows a 1.5% or better increase in fuel efficiency and the customer does not switch to CITGO product, they will be charged for the price of the drum. For complete stipulations, visit https://www.citgolubes.com/guaranteed-efficiency-program.

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GIT**GARD** 800

MULTI-FUEL SYNTHETIC BLEND

(Formerly CITGARD CNG/LNG Synthetic Blend Engine Oil) SAE Grades: 15W-40, 10W-30

Streamlined Inventory & Cost Control
Lower Carbon Emission

More companies are adding Compressed Natural Gas (CNG) vehicles to their fleets, giving rise to mixed engine-type operations. Lubrication misapplication, inventory planning and cost

CITGARD 800 meets the API SN approval requirements for gasoline engines, is fortified with the CITGO SootArrest® technology to address soot dispersancy in diesel applications and provides excellent lubricity in natural gas engines. management are common concerns in such settings.

This multi-fuel oil offers improved fuel economy, engine durability and protection. It has a broad range of approvals including the Cummins CES 20092 approval, which demonstrates the oil's superior oxidation resistance and viscosity control - critical for natural gas engines which run at much higher temperatures than diesel engines.

It is recommended for the following applications: API CK-4, API SN, Cummins CES 20086, Volvo VDS-4.5, Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2; Allison TES-439; ACEA E9-2016**, E7; Daimler MB 228.31**; Deutz DQC III-18 LA; MTU Oil Category 2.1**; Cummins CES 20092; JASO DH-2**.

** Meets performance.

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One Engine Oil, Three Broad Applications



Lubricant misapplication in a mixed-fleet setting can result in downtime and engine failure, threatening fleet safety. CITGARD 800 for gasoline, diesel and natural gas engines can help simplify your lubrication process, reduce chances for lubrication errors while helping to support your safety goals.



Improved Cost Control, Streamlined Inventory Management

Choosing CITGARD 800 as a single oil for your multi-fleet operation can help improve the predictability of your repair and maintenance costs. It could also help you streamline and simplify your inventory planning and supply needs.

Field Test Results

Outstanding Oxidation Stability



CITGARD 800 maintains excellent oxidation stability in oil and power cylinder components, exceeding testing limits.



Wear metal level is controlled beyond the 1,000-hour oil drain interval.

Wear Protection of Critical Components



Minimal deposits in piston rings, liners remain in excellent condition, bearings show minimal signs of wear.





FOODLINER[®]: GOING THE DISTANCE WITH CITGARD[®] ON A GUARANTEED WARRANTY

When it comes to the CITGARD line of Heavy Duty Engine Oils (HDEO), Foodliner can confidently speak on the exceptional performance of the product line. Foodliner, one of

America's largest bulk food grade carriers and a *TransportTopic Top 100* carrier since 2014, places a premium on asset reliability and availability, lower total cost of ownership, product accessibility



and cutting-edge technology. Foodliner relies on CITGARD for improved engine protection and performance, and preventive/predictive maintenance planning. Foodliner's team of dedicated technical experts and sales consultants at CITGO consistently deliver solutions that help Foodliner make smarter, data-driven business decisions.

Importance of Fluid Analysis

"When we began our search for a lubricant partner more than 10 years ago, it seemed impossible to get a supplier that was willing to take on our full fleet or provide assurances on



their product performance claims," said Mr. Neumann, Director of Maintenance at Foodliner/ Quest Liner. "But CITGO came with a commitment to taking on the entire fleet and a written guarantee stating it would replace any engine lost due to a lube failure. That assurance gave us the confidence to bring CITGO on board as our lubricant partner."

The CITGO team set Foodliner up for a great start with the CITGO LubeAlert[®] Fluid Condition Monitoring Service - a decision Mr. Neumann calls "priceless." Oil sample trends assured Foodliner that CITGARD was providing its engines with excellent lubrication beyond the original equipment manufacturer's recommended limits, giving the maintenance team the confidence to extend oil drain intervals, extend dry preventive maintenance schedules and drop several wet maintenance schedules. For Foodliner, these changes translated to lower cost per mile, increased driver uptime, lower maintenance costs, and improvement in delivery timelines.

"If it wasn't for LubeAlert, we would probably still be stuck at 48,000-mile ODI because we wouldn't have the data to prove that we could go further. But knowing the state of our oil empowers us to make better decisions," added Mr. Neumann.

CITGARD Can Grow with Your Fleet and its Diverse Needs

A bulk carrier since 1958, Foodliner operates a fleet consisting of old and newer engines, diesel and multi-fuel engines; transiting varying temperature ranges across North America. With CITGARD, Foodliner has a full product range meeting the varying demands of their diverse fleet. Early on, CITGARD 600 provided a great start. With the introduction of the latest CK-4 and FA-4 lubricant technology, Foodliner did not hesitate to switch to CITGARD 700 based on performance test results. CITGARD 700 10W-30 provides almost double the oxidation control over a CJ-4 15W-40 oil among other performance and environmental benefits such as increased fuel efficiency, shear stability and reduced carbon emissions. With Foodliner's primary engine manufacturer supporting the use of ultra-low viscosity FA-4 back to 2010 engine model technology, Foodliner and Kyle once again trusted CITGO and transitioned its growing fleet to CITGARD 700 10W-30 FA-4 in the spring of 2020.

Foodliner acquired W.W. Transport, Inc. based in West Burlington, IA in 2021. The acquisition came with a new set of challenges, including new engine technology (CNG Fuel). This required guidance from the CITGARD team. Kyle and Foodliner put CITGARD 800 Multi-Fuel Engine Oil (formerly CITGARD Engine Oil CNG/LNG) to the test and haven't had to look back.

More than a decade later, Mr. Neumann's verdict: CITGARD delivers the power for your engines to deliver more. "CITGARD, for us, was the best decision then and it is the best decision now," said Mr. Neumann. "The product performance surpasses our expectations and we have a solid team walking us through transitions in lubrication technology and product transitions. You can't beat that!"

A FULL LINE OF FLUIDS AND GREASE FOR SUPERIOR PROTECTION, DURABILITY AND FUEL EFFICIENCY

SynDurance[®] Synthetic MTF -Eaton PS-386 Approved Fluid

- Uniquely formulated to provide up to 1.5% fuel economy improvement while maintaining excellent shear stability.
- Provides high performance and extended drain capability in transmissions.
- Excellent thermal and oxidation stability; resists deposit and sludge formation.
- Advanced additive system provides excellent protection from corrosion, foaming, rust, and wear.
- The use of high viscosity index synthetic base fluids allows SynDurance Synthetic MTF to provide superior high- and lowtemperature performance.
- Provides friction retention, friction durability, and excellent shear stability to ensure and maintain smooth transmission operations throughout the extended drain interval.
- Formulated to reduce sump operating temperatures.

SynDurance 668 - Allison Transmission TES 668[™] Approved Fluid (668-10052021)

- Excellent shear stability and viscosity retention.
- Outstanding performance across a wide temperature range provides year-round capability.
- Excellent thermal oxidation stability reduces sludge and deposit formation.



- Optimized maintenance through extended drain intervals.
- Outstanding friction retention and friction durability.
- Excellent anti-wear and corrosion resistance properties.
- Backed by an Allison factory warranty.

SynDurance Synthetic Gear Lubricants

- Superior oxidation resistance for extended drain intervals.
- Excellent load-carrying properties for maximum protection against component wear.
- High viscosity index and low pour point synthetic base stocks provide reduced fluid friction, with resultant fuel savings potential during low-temperature start-up or operating conditions.



- Excellent demulsibility (separates water readily) and does not foam.
- Shear-resistant for lasting viscosity performance.
- Provides full protection to system parts against rust and corrosion.

Mystik® LithoPlex® Red Tacky #2

- Extremely stable lithium complex formula retains its consistency even in the most severe service.
- Additives provide excellent extreme pressure and anti-wear protection under severe conditions.
- Resist corrosion, thereby extending equipment life -- of particular importance in applications where moisture is present.
 - Oxidation inhibitors extend grease life and protect the application for longer periods.
- Red color and tacky, moly-free formula makes it ideal for many problem applications.
- Meets the ASTM D4950 requirements for Wheel Bearing Category GC and Chassis Lubrication Category LB.

Mystik JT-6 Heavy Duty SynBlend 460 #2

- Lithium complex-thickened grease formulated with a premium additive system and a combination of synthetic and conventional base oils.
- Optimized formula provides superior performance properties over a wide operating range (-5° to 350°F), for a variety of weather conditions and application temperatures.



- Proprietary adhesive, stay-inplace formula helps seal out contaminants and extend lubrication intervals.
- High load-carrying capacity offers wear protection under severely loaded conditions; capable of carrying up to 3X more load than conventional greases.
- Enhanced water and corrosion resistance protects equipment under adverse conditions including saltwater spray and exposure to corrosive anti-icing agents.
- Superior protection in a variety of applications where enhanced load carrying capability, water resistance, and anti-corrosion protection properties are required.
- Helps increase equipment life through superior performance.

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GITGARD 1000

FULL SYNTHETIC (FORMERLY CITGARD SYNDURANCE® PLUS)

SAE Grades: 5W-30, 5W-40

Lower Carbon Emission | Up to 4% Fuel Economy
Increased Oxidation Control

CITGARD 1000 advanced fuel efficiency formula delivers up to 4% fuel economy, outstanding cold temperature start-up performance, and excellent engine cleanliness and durability.

A careful balance of synthetic base oil components and a shear stable viscosity modifier ensures that heavily loaded engine parts and emission applications are well lubricated.

Through significant reduction in fuel consumption and improved engine cleanliness, CITGARD 1000 helps to reduce carbon emission in modern vehicles.

Through significantCITGARD 1000 meets the performance requirements of newerreduction in fuelengines operating at higher temperatures, with lower RPM, highertorque, and advanced combustion design.

CITGARD 1000 is recommended for the following applications: API CK-4, API SN*, Cummins CES 20086, Volvo VDS-4.5, Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2; Allison TES-439; ACEA E9**, E7; Daimler MB 228.31**; Deutz DQC III-18 LA; MTU Oil Category 2.1**; Ford WSS M2C171-F1; JASO DH-2**.

**Meets performance.

* SN only for 5W-40 grade.





Outstanding Cold Start-Up Pumpability

Using CITGARD 1000 in extremely low operating temperatures boosts operational efficiencies in various ways:

- Reduced dependency on engine block heaters and enhanced electrical energy savings
- Reduced startup wear
- Reduced battery/starter stress
- > Wide temperature application range eliminates the need for seasonal oil change-outs

Low Temperature Pumpability Comparison

How much wear occurs waiting on 15W-40?



Cold box testing at -22°F (-30°C) of used oil demonstrates the superior flow charateristics of CITGARD 1000 5W-40

Advanced Fuel Efficiency & Lower Carbon Footprint

CITGARD 1000 delivers up to 4% fuel economy advantage over a conventional SAE 15W-40 viscosity grade oil, significantly reducing CO_2 emissions from diesel engines into the atmosphere.

Fuel Savings Advantage

Savings Category	Conventional 15W-40	CITGARD® 1000 5W-30	Savings*
Number of Units	100	100	
Annual Mile/Unit	100,000	100,000	
MPG	6.50	6.68	
Fuel Savings % Increase	None	3.00	
Fuel Cost	2.00	2.00	
Annual Unit Fuel Gallons	15,384	14,970	414
Annual Unit Fuel Cost	\$30,768	\$29,940	\$828
Fleet Annual Fuel Gallons	1,538,400	1,497,000	41,400
Total Savings Including Cost of Oil			\$82,800

*Savings is example only-Individual result will vary

Outstanding Engine Durability & Performance

CITGARD 1000 is proven to provide the same great protection CITGARD 700 is known for, but at a higher level.

Improved Oxidation Performance & Outstanding Viscosity Control. CITGARD 1000 demonstrates oxidation performance that is less than 90% of API CK-4 oxidation limit for improved oil service life.



Excellent Shear Stability. The full synthetic formulation demonstrates unparalleled shear stability, reducing viscosity loss and maintaining oil pressure to the engine.





Improved Performance in Cylinder Liner Wear - Based on testing of CITGARD 1000* 5W-40 in Mack T 12 (ASTM D7422) as required by API CK 4 specification.



Improved Engine Cleanliness - Excellent cleanliness in US and EU engine tests, exceeding limits of API CK-4 and Daimler MB 228.31, with CITGARD 1000 demonstrating better deposit control.



Cat 1N (ASTM D6750) as required by API CK-4 spec. *Based on testing of CITGARD 1000 5W-40 in OM501LA (CEC L-101-08) required by MB 228.31 spec.









SAE Grades: 15W-40, 10W-30

CITGARD 600 HDEO has an established record of superior protection in low-emission diesel engines equipped with exhaust after-treatment systems and other new design features. It supports extended engine and oil service life and is an excellent choice for vehicles operating under extreme workloads.

It meets API CK-4 heavy duty requirements and major diesel engine manufacturer performance requirements.

CITGARD 600 is recommended for the following applications: API CK-4, API SN*, Cummins CES 20086, Volvo VDS-4.5. Detroit Diesel DFS 93K222, Caterpillar ECF-3, ECF-2, MTU Oil Category 2.1**, Ford WSS M2C171-F1

*Only applies to 15W-40 grade.

**Meets performance.

Engine Durability and Component Protection

- Protects against viscosity breakdown resulting from high-contact timing gears.
- Double the oxidation protection of API CJ-4 engine oils on the Volvo T-13 oxidation test.
- Maintains a state-of-the-art wear control barrier in heavily loaded engine components.
- Provides advanced soot control with SootArrest[®] soot dispersant chemistry.
- Extends diesel particulate filter (DPF) life by maintaining excellent cylinder condition.
- SAE 10W-30 grade improves fuel economy and cold cranking lubrication.







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*Consult owner's manual for proper lubricant selection requirements.

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