

DETROIT PRODUCTS

- DD15
- DD13
- DD8
- DD5
- DT12
- Detroit Assurance 5.0
- Detroit Connect

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

Detroit DD15: engineered for enhanced performance and fuel economy

AT A GLANCE

- **Ultra-high compression ratios paired with new swirl piston design.**
- **Overall result is a fuel economy gain of more than three percent with additional gains possible when truck is equipped with an integrated Detroit Powertrain.**
- **Improvements to the base engine have reduced complexity and increased the durability of many key components.**
- **A new aftertreatment system is able to do more with less space, increasing maintenance intervals.**
- **A Ball Bearing Simple Geometry Turbo provides quicker response and increased fuel efficiency.**
- **Detroit's service network along with Detroit Connect Virtual Technician remote diagnostic system help maximize your uptime.**

KEY FEATURES

- **Fuel Economy: downspeeding, better combustion, increased compression ratio, piston design, integrated powertrain.**
- **Reliability: reduced complexity, higher DPF capacity, increased robustness.**
- **Performance: turbocharger, engine brake, vocational ratings, new ratings with higher torque.**

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

Detroit DD13: perfect engine for less-than-truckload, regional and vocational applications

AT A GLANCE

- **Designed specifically for less-than-truckload, regional distribution, and vocational applications.**
- **Robust design provides B50 life of 1 million miles.**
- **Offers multiple horsepower and torque ratings with technological advancements for enhanced fuel economy and combustion efficiency.**
- **Detroit Connect Virtual Technician remote diagnostic system helps to maximize uptime.**

KEY FEATURES

- Three-stage integrated engine brake offers quieter engine braking and provides superior braking horsepower for extended service brake life.
- A robust and sturdy gear train minimizes noise, vibration and harshness.
- Proven asymmetric turbocharger is optimally attached to updated Exhaust Gas Recirculation system for improved efficiency.
- Rear Powertrain Take-Off availability for vocational applications.
- Pulls strong down below 1000 RPM so drivers can spend more time in top gear.
- Second Generation Amplified Common Rail System optimizes each injection event to minimize fuel consumption.

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

Detroit DD8: from the sturdy design of the ribbed cast iron block to the advanced common rail fuel system

AT A GLANCE

- **Dual overhead cams and high-pressure common fuel rail maximize combustion and save fuel.**
- **Robust design provides B10 life of 400,000 miles.**
- **Proprietary variable cam-phasing technology for efficient after treatment system performance.**
- **Integrated engine brake option provides superior braking horsepower to extend service brake life.**
- **Detroit Connect Virtual Technician remote diagnostic system helps to maximize uptime.**

KEY FEATURES

- **Wide range of power ratings from 260-350 HP and 660-1050 lb. -ft.**
- **Variable-speed fan and advance cooling system provides shorter fan-on times for increased fuel efficiency.**
- **Simple, fixed-geometry, turbocharger for performance, efficiency and reliability.**
- **Sturdy rear gear train and ribbed cast-iron block minimize noise vibration harshness.**
- **Rear Engine Power Take-Off and Front Engine Power Take-Off capability provide the flexibility needed for a variety of vocational applications.**

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

Detroit DD5: mid-range engine ideal for pickup and delivery

AT A GLANCE

- **All new DD5 provides short-haul pickup and delivery operators best-in-class maintenance intervals of up to 45,000 miles.**
- **Proprietary variable cam-phasing technology for efficient aftertreatment system performance.**
- **Detroit Connect Virtual Technician remote diagnostic system helps to maximize uptime.**

KEY FEATURES

- Wide range of power ratings from 200-240 HP and 560-660 lb. -ft.
- Variable-speed fan and advance cooling system provides shorter fan-on times for increased fuel efficiency.
- Simple, fixed-geometry, turbocharger for performance, efficiency and reliability.
- Sturdy rear gear train and ribbed cast-iron block minimize noise vibration harshness.
- Rear Engine Power Take-Off and Front Engine Power Take-Off capability provide the flexibility needed for a variety of vocational applications.

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

DT12: automated manual transmission

AT A GLANCE

- **Combines traditional clutch – actuated manual gearbox with a computer-controlled shift actuator and clutch.**
- **Designed to operate with limited wear and tear through Intelligent Powertrain Management, a system which uses topographical map to manipulate both engine and transmission function.**
- **Ideal to pair with Detroit engines and axles.**

KEY FEATURES

- Superfinished gears create greater mesh between gears to reduce parasitic losses and increase fuel efficiency.
- Optimized gearing provides benefits such as faster axle ratios, increased GCW, torque and durability as well as improved low speed maneuverability.
- New oil pump located in the front bell housing and driven by the input shaft results in more continuous oil flow.
- 1250 - 2250 lb-ft torque range.
- Features 12 forward and four reverse speeds.
- New planetary gear set design reduces stress in planetary carrier while improving robustness and durability.
- Adaptive thermal management cools oil when needed, and bypasses when it is not.
- Integrated communication network allows sharing damage-reducing information such as clutch overloading and active driveline protection.

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

Detroit Assurance 5.0: radar and camera fused system features standard active safety and advanced driver assistance technologies

AT A GLANCE

- **Using fused technology, the bumper-mounted radar and the windshield-mounted HD camera communicate with the ABS brakes, engine, and transmission in real time.**
- **The system tracks up to 40 objects at once and identifies the top six by level of threat while refreshing 200 times per second.**
- **Detroit Assurance 5.0 is now standard with Freightliner Cascadias powered by Detroit engines.**

KEY FEATURES

- **Active Brake Assist 5.0:** When a moving pedestrian enters the truck's path, Detroit Assurance 5.0 warns the driver using visual and audible warnings simultaneously with partial emergency braking, followed by full braking if driver does not react.
- **Adaptive Cruise Control to 0 MPH:** Automatically decelerates and accelerates to maintain a safe following distance.
- **Active Lane Assist,** available in early 2020, consists of optional: Lane Departure Protection, Lane Keep Assist and Side Guard Assist, which detects objects in the truck's blind spot and warns the driver.
- **With the addition of lateral steering assist and in combination with Adaptive Cruise Control, Freightliner and Detroit will begin delivering the first production SAE Level 2 automated truck in North America.**

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

- Traffic Sign Display: The camera recognizes the speed limit and other traffic signs and displays them in the instrument cluster.
- Automatic wipers/headlamps: The new Cascadia comes equipped with Rain/Light that detects precipitation on the windshield and low-light situations.
- Intelligent High Beam: Detroit Assurance camera technology automatically switches to low beams when it detects the headlights/taillights of another vehicle as well as city lights.

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com

Further information on Daimler Trucks North America is available online:

www.daimler-trucksnorthamerica.com and www.media.daimler.com

Detroit Connect: provides fleets with remote access to valuable vehicle diagnostic data

AT A GLANCE

- **Detroit Connect is an easy-to-access portal where users will be able to simply log on and access real-time information.**
- **Users will be able to view vehicle fault events and performance data for insights into their overall fleet health, fuel economy and safety performance.**

KEY FEATURES

- Translates fault event data into actionable intelligence and increased uptime.
- Optimizes vehicle performance with over-the-air programming.
- Uncovers vehicle performance insights without number-crunching.
- Offers direct access to vehicle data that can be customized to meet the needs of the customer's business.
- Vehicle data delivered directly to Detroit Connect authorized Electronic Logging Device (ELD) apps.
- Virtual Technician, a remote diagnostic system, avoids unnecessary downtime.

Contact:

Fred Ligouri | +1 (971) 990-3024 | fred.ligouri@daimler.com
Further information on Daimler Trucks North America is available online:
www.daimler-trucksnorthamerica.com and www.media.daimler.com