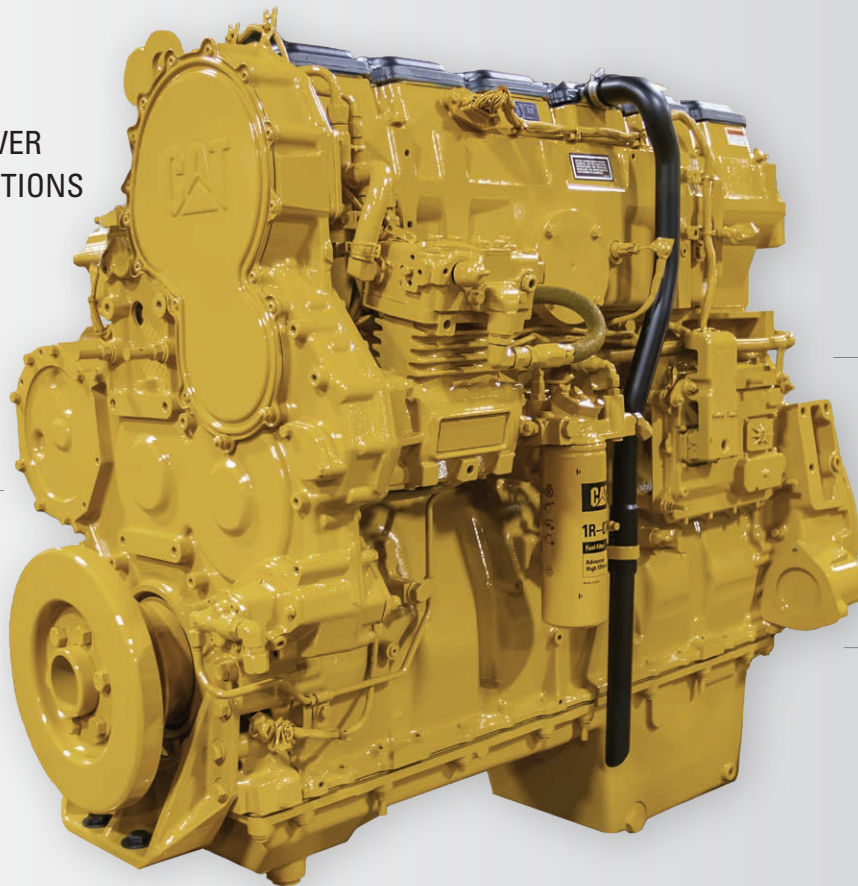


» CAT® REMAN HEAVY-DUTY ENGINES

UPGRADE, REPLACE OR REPOWER
WITH CAT® REMAN ENGINE OPTIONS



GET MORE VALUE FROM YOUR REPAIR DOLLARS

When it's time to overhaul your Cat® heavy-duty on-highway truck engine, you need a solution that gets you back on the road fast, at a price you can afford. We offer two quality options that deliver just that. Both come fully assembled for a quick repair, and both can save you thousands in labor — savings you can apply to other overhaul needs.

A **Cat Reman engine** delivers like new performance at a fraction-of-new price when you return your end-of-life core,¹ making it a smart way to get your truck back up and running fast and within your budget. **Cat Reman engines with new content** provide 100% new cylinder blocks, crankshafts and cylinder heads. They're an ideal choice, whether you want to upgrade to a newer model or repower your truck with the exceptional core leniency that a Cat Reman engine provides. Cat Reman heavy-duty engines are covered by a 24-month Caterpillar Limited Warranty,² with Extended Service Coverage (ESC) available for even more peace of mind.



**COST-EFFECTIVE
UPGRADE OR REPOWER**



**2 REPAIR OPTIONS
TO FIT YOUR NEEDS**



**FULLY ASSEMBLED
SOLUTIONS**



TWO SMART SOLUTIONS THAT SAVE YOU TIME AND MONEY



CAT REMAN ENGINES

Cat Reman heavy-duty engines can simplify and accelerate your overhaul with a fully assembled, remanufactured solution. That includes components like the electronic control module (ECM), engine wiring harness and sensor set as well as a complete set of oil and fuel lines.

At state-of-the-art remanufacturing facilities, our team:

- Disassembles, cleans and inspects every component and incorporates the latest engineering changes
- Replaces all piston rings, rubber parts, springs, seals, gaskets and o-rings with 100% new components
- Installs new cylinder liners
- Regrinds and polishes crankshaft journal surfaces to exact dimensions
- Reassembles the final product using Caterpillar product engineering standards
- Performs dynamometer testing and tuning to ensure every product meets original performance specifications

» CORE CREDIT³ FOR CAT REMAN ENGINES

DOES YOUR CORE LOOK LIKE THIS?
IF SO, YOU MAY QUALIFY FOR FULL CORE CREDIT.



**FULL
- CORE -
CREDIT**
BEGINS WITH



NO CRACKS



NO FIRE DAMAGE



MINIMAL RUST

MORE VALUE, NO MATTER WHICH REPAIR OPTION YOU CHOOSE



CAT REMAN ENGINES WITH NEW CONTENT

These engines feature 100% new cylinder blocks, cylinder heads and crankshafts — reducing the risk of a critical failure in components inspected during an overhaul.

Cat Reman engines with new content are an ideal repair option in these situations:

- You need to restart the lifecycle of your engine, making future overhauls possible.
- You want to upgrade to a newer model. With a Cat Reman engine with new content, you can move from an older, higher-emitting model to a newer, lower-emitting one.
- You want to replace another engine brand.⁴ A Cat Reman engine with new content lets you repower with a Cat Reman engine of similar displacement and emissions level.
- Your existing core is damaged due to failure or has no value due to excessive rust and corrosion.

» CORE CREDIT³ FOR CAT REMAN ENGINES WITH NEW CONTENT

GREATER FLEXIBILITY IN CORE ACCEPTANCE CRITERIA MEANS WE CONSIDER DAMAGED, RUSTED AND LOW-VALUE CORES FOR FULL CORE CREDIT — AS WELL AS QUALIFYING COMPETITIVE CORES.⁵



REPOWER OPTIONS THAT REDUCE DOWNTIME AND LABOR COSTS

» C-12 AND C13 WITH REAR ENGINE PTO CONFIGURATION

If your existing truck engine has a Rear Engine Power Take-Off (REPTO), a repower is easier and less expensive. Instead of purchasing a standard engine and reconfiguring it, you can repower your truck with a C-12 or C13 Cat Reman engine with new content and a REPTO configuration.⁶ This helps you save on labor costs and get your truck back on the road faster.



» C-12 WITH A STANDARD CONFIGURATION

The C-12 with a standard configuration includes a standard flywheel housing and offers all the advantages of other Cat Reman engines with new content — including 100% new cylinder blocks, cylinder heads and crankshafts.



WHAT THESE OPTIONS CAN DO FOR YOU

C-12 and C13 repowers for standard and Rear Engine PTO configurations offer:

- » Complete Cat Reman engines as convenient drop-in solutions
- » REPTO configurations that save you even more time and labor, as there is no need to reconfigure a standard engine
- » Replacement and repowering opportunities for C-12, C13, 3176, 3306, C-10 or C11 Cat truck engines
- » Cat Reman engines with new content, meaning you get 100% new cylinder blocks, cylinder heads and crankshafts

PRE-INSTALLED COMPONENTS THAT ADD VALUE TO YOUR ENGINE

CAT REMAN ENGINES AND CAT REMAN ENGINES WITH NEW CONTENT PROVIDE COST-EFFECTIVE WAYS TO REPOWER OR UPGRADE WITH COMPONENTS THAT ADD VALUE TO YOUR ENGINE.

| | Cat Reman Engine | Cat Reman Engine with New Content |
|--|------------------|-----------------------------------|
| PRE-INSTALLED COMPONENTS | | |
| CYLINDER BLOCK | • | 100% new |
| CRANKSHAFT | • | 100% new |
| CYLINDER HEAD | • | 100% new |
| TURBOCHARGER | • | • |
| INJECTOR SET | • | • |
| ELECTRONIC CONTROL MODULE, ENGINE WIRING HARNESS & SENSORS | • | • |
| REAR HOUSING | • | • |
| INLET & EXHAUST MANIFOLDS | • | • |
| OIL & FUEL LINES | • | • |
| AIR COMPRESSOR | • | • |

CAT REMAN ENGINES SAVE YOU TIME AND MONEY

- » **NO** need for reusability determination
- » **NO** need to disassemble the engine
- » **NO** dealing with broken bolts
- » **NO** need to outsource machining or repair work

FIND YOUR CAT REMAN HEAVY-DUTY ENGINE

| Engine Model | Model Year | Serial Number Prefix | Horsepower Range | Cat Reman Engine Part Number | Cat Reman Engine with New Content Part Number |
|----------------------|------------|----------------------|------------------|------------------------------|---|
| 3406E | 1994-1997 | 5EK | 435-550 | 0R-8700 | 30R-0061 |
| | 1997 | 6TS | | 10R-7248 | 20R-9318 |
| | 1998 | 1LW | | | |
| | 1999 | 2WS | | 20R-6605 | |
| C-12 REPTO* | 1999-2001 | 2KS | 335-455 | — | 30R-0129 |
| | 1998 | 9NS | | | |
| | 1995-1997 | 1YN | | | |
| C-12 STANDARD | 1999-2001 | 2KS | 335-455 | 10R-1410 | 30R-0130 |
| | 1998 | 9NS | | 0R-9683 | |
| | 1995-1997 | 1YN | | 10R-1410 | |
| C13 REPTO | 2003-2007 | KCB | 335-430 | — | 30R-0131 |
| C-15 | 2000-2002 | 6NZ | 435-550 | 10R-1322 | 20R-9323 |
| | 2002-2003 | MBN | 435-525 | 10R-9846 | — |
| C15 ACERT | 2003 | BXS | 435-550 | 10R-8767 | 20R-9335 |
| | 2004-2006 | MXS | | | |
| | | NXS | | | |
| | | MXS | 600-625 | 10R-8802 | 20R-9336 |
| | | NXS | | | |

* C-12 SN prefix MBL (model year 2002, HP range 355-430) utilize 30R-0131 C13 REPTO option

SUPPORT THAT KEEPS YOUR ENGINE RUNNING STRONG

» PEACE-OF-MIND COVERAGE

Cat Reman heavy-duty engines are covered by a 24-month Caterpillar Limited Warranty.²

» YOUR DEALER IS STANDING BY

The Cat dealer network stocks a broad line of new and Cat Reman parts and components, supported by the Caterpillar worldwide inventory and distribution system. With over 30 authorized Cat dealers in North America who manage a combined network of 2,000+ sales and service locations, Cat Reman components are drop-in ready solutions, which help you reduce downtime, maintain productivity, and keep your Cat on-highway truck engine on the road for the long haul.

FOR EVEN MORE PROTECTION, ADD EXTENDED SERVICE COVERAGE FOR UP TO

60^{MOS⁷}



LEARN MORE



CONNECT TO OUR **TRUCK ENGINE RESOURCE CENTER** FOR DOWNLOADS, VIDEOS, ARTICLES AND MORE.

¹ Cost savings based on return of core; core conditions apply.

² Warranty can vary by model and application; limitations apply. For complete details about the applicable Caterpillar Limited Warranty, contact an authorized Cat dealer.

³ Additional requirements apply. Contact an authorized Cat dealer for more information.

⁴ Some exclusions apply.

⁵ Competitive core must have similar displacement and the same or newer emissions than the engine being replaced.

⁶ The C13 is available only with a high-mount turbocharger and REPTO configuration. For other turbocharger configurations, contact your authorized Cat dealer.

⁷ 60-month coverage is available on heavy-duty Cat Reman engines, with a 500k mile limit. Contact an authorized Cat dealer for details.

