

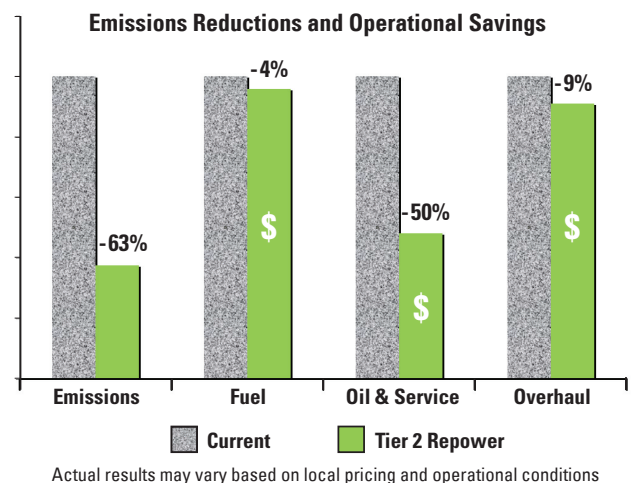
Tier 2 Repower Solutions

For 777B, 777C, and 777D Off-Highway Trucks



Reduce Emissions. Stay Competitive.

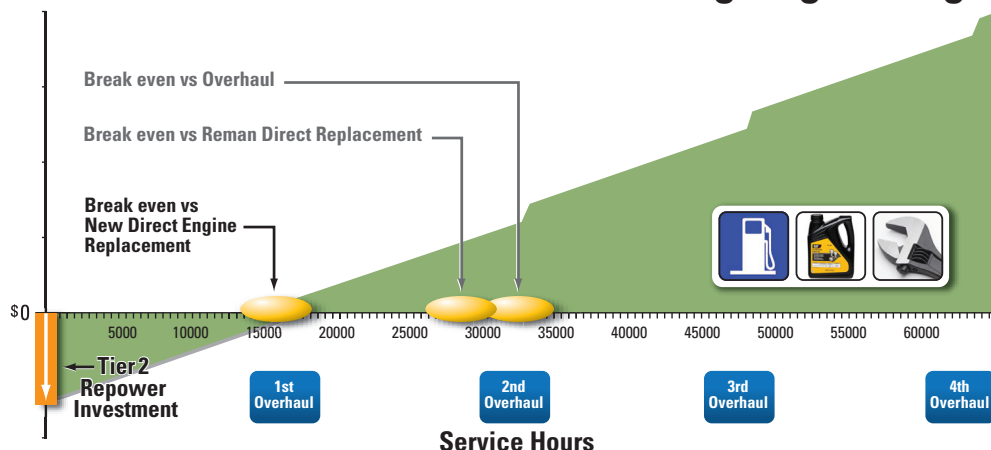
- EPA / CARB Tier 2 level ACERT Replacement engine based on 777F
- Uses system components proven in newer production models
- Performance enhanced and matched to existing power train
- Achieves emissions reductions using latest 2010 Tier 2 designs
- 777F Production studies demonstrated 4 to 8 percent fuel savings
- Capable of longer maintenance intervals and a lower oil capacity
- Lower overhaul costs due to common platform parts
- Equipped with an EPA Tier 2 Replacement engine label
- **Bottom Line:** This repower can achieve a short return on investment, savings throughout the lifecycle of the machine, increased resale value, and Tier 2 level emissions compliance



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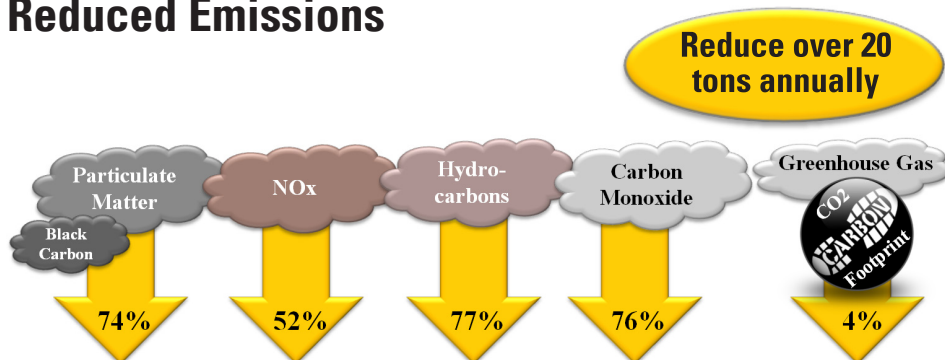
Tier 2 Repower Solutions

Short Return on Investment and Ongoing Savings



Orange bar represents incremental cost over the alternative. Green area represents a conservative estimate of cumulative savings over time. Many variables influence results including operation conditions and labor and parts costs. Calculations based on 4% fuel savings (production study results 4-8%), 50% oil/service reduction, and 9% overhaul cost reduction (quote estimates were 24%).

Reduced Emissions

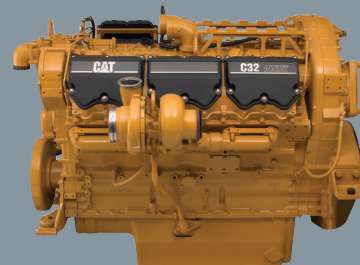


EPA Diesel Emissions Quantifier (DEQ) was used to determine the reductions. Reductions were based on a 777B/C repower with a usage of 2150 hours per year. The GHG reduction percent is based on the correlation with fuel use reductions.

How it works

Your Cat Dealer will remove the existing engine and replace it with a Caterpillar engineered Tier 2 and the related system components.

EPA Tier 2 C32 ACERT Engine



- Performance matched
- Altitude capability before de-rate improved 60%
- Fuel economy and maintenance intervals improvements
- Cat Messenger capable (optional)



Next Generation Modular Radiator

- Square wave design provides greater surface area and higher heat rejection
- Efficient single pass parallel flow
- Brazed construction offers stronger joints and improved leak prevention
- Larger fin spacing for easier cleaning

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We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.



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