

THE REAL VALUE OF FUEL EFFICIENCY

NEXT GENERATION CAT® EXCAVATORS

You buy it, then burn it—all day, every day. If you're using fuel wisely, you're growing your business with every tank. But if your crew isn't careful, wasted fuel erodes your bottom line. The new Cat® 336 excavator delivers **15% more** fuel efficiency than its predecessor, giving you the power to work profitably. Find out how.

WHAT IS FUEL EFFICIENCY ANYWAY?

It's a measure of how much work you do with the fuel you consume: the length of pipe you lay, the size of the trench you dig, the amount of rock you load with each unit of fuel you use.

Unlike fuel consumption—which focuses more on how much you burn—fuel efficiency is all about how much you earn. If you can do more revenue-generating work with every tank, you position your business for profitable growth.

IT STARTS WITH A SYSTEM DESIGN

To design a fuel efficient excavator, you have to consider the entire system, starting at the engine where power is produced and continuing all the way to the implements where work gets done. A change in one area can affect all the others.

When developing the new 336, Caterpillar engineers attacked the fuel efficiency challenge from every angle, adjusting variables until the best solution emerged: a precise combination of engine speed and hydraulic pump size, delivered in a machine that works hard and saves fuel.

MORE ENGINE INNOVATION

The new engine incorporates many features that conserve fuel.



Electronic controls automatically cut engine speed when there's no demand from the hydraulic system, so you don't waste fuel.



Power settings—including a new Smart Mode—match hydraulic demand to engine speed for maximum fuel efficiency.



The cooling system uses multiple fans that independently control hydraulic oil, radiator and aftercooler temps. It's more efficient than a single-fan system that has to cool based on the hottest component.

FUEL SAVINGS GO RIGHT TO THE BOTTOM LINE.



HIGHER-EFFICIENCY HYDRAULICS

The all-new hydraulic system has a big impact on performance and fuel.



A new main control valve eliminates pilot lines. Fewer lines = less power loss = better fuel efficiency. Plus there's less hydraulic oil to buy, use and dispose of safely.



Positive flow control sends power and pressure exactly where and when it's needed, cutting cycle time and saving fuel.



Boom regeneration and flow control are managed automatically to enable quick, precise loading with less fuel.

THREE MORE WAYS TO IMPROVE FUEL EFFICIENCY

When it comes to maximizing fuel efficiency, choosing the right equipment is an important first step. But what else can you do?

- + **USE TELEMATICS DATA TO REDUCE IDLE TIME.**
Every excess idle hour wastes fuel, component life and warranty hours—and generates no revenue.
- + **INVEST IN OPERATOR TRAINING.**
A skilled team can burn 10% less fuel than an unskilled one.
- + **GET EXPERT ADVICE ON JOB SETUP AND WORKFLOW.**
The right layout can improve efficiency by up to 15%.

// Talk to your dealer about new fuel efficient excavators from Caterpillar.
Get more details at www.cat.com.

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