

GETTING INTO THE SWING

The Cat® 336E H Cuts Cost, Not Power

No other commercially available technology has higher power density than hydraulics, and that's why Caterpillar selected a hydraulic solution for the Cat® 336E Hybrid to help you achieve up to 25% fuel savings. Plus, it sacrifices nothing in terms of power or production—and it's extraordinarily quiet, too.

The design of the 336E H is relatively straightforward, utilizing three building block technologies to achieve fuel savings.

CONSERVE FUEL



The Electronic Standardized Programmable (ESP) pump senses when there's a load on the engine and increases the amount of hydraulic flow needed. It ensures smooth transition between power sources, maximizing efficiency and productivity of the engine and pump. Simply put, it provides power when you need it and reduces it when you don't.

REUSE ENERGY



The hydraulic hybrid swing system consists of a pair of nitrogen gas accumulators that absorb energy from the swing and then uses that energy to do work. This recovers otherwise wasted swing braking energy and results in less load on the engine.

OPTIMIZE PERFORMANCE



Referred to as the "brains" of the system, the Adaptive Control System (ACS) valve tells the oil where to go precisely when it is needed. The ACS independently controls inflow and outflow restrictions to and from each circuit of the machine to maximize performance with no loss of power.

