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### **New Cat® 6015B Hydraulic Shovel Moves More Material at Lower Costs**

Building on the robust and productive Cat® 5110B, the new 6015B Hydraulic Shovel delivers a productivity advantage over other 100-tonne shovels thanks to the most powerful engine in its class, a large standard bucket and payload capacity of 14.6 tonnes. The design translates to fast cycles and a pass match advantage over leading standard-equipped shovels in its class when loading trucks of 55, 65 and 90 tonne capacities.

The 6015B is equipped with a single Cat C27 ACERT™ engine that provides 606 kW of rated power. As with all hydraulic shovels, the greater the engine power, the greater the digging power and the faster the digging cycles. The large, 8.1-cubic-meter standard bucket, outfitted with Cat C70 hammerless GET, further boosts production capability. With the standard bucket, the 6015B is optimized to fill a Cat 773 truck in four passes, a 775 in five passes, and a 777 in seven passes. These truck models are commonly found in heavy construction, quarry/aggregate and small to mid-size mining operations across the globe.

The 6015B is currently available only in a backhoe configuration.

#### **Efficient operation**

The 6015B is both powerful and efficient. Caterpillar's proprietary integrated engine control technologies, a boom float feature that regenerates boom oil for reduced engine demand, an oil cooling system that's independent of engine cooling, and regeneration of swing energy via its closed-loop swing system, all increase fuel efficiency.

Cat automatic flow proportioning technology creates more efficient hydraulic pump utilization, reduced energy losses and increased fuel savings. Exclusive Cat Proportional Priority Pressure Compensating technology ensures that hydraulic flow is proportional, according to demands, so individual functions—boom, stick, and bucket—are automatically prioritized during simultaneous operations. This aids smooth, efficient operation and controllability. Pressure and

flow compensation deliver only as much flow as needed. The result is reduced heat build-up and component wear.

### **Reliable performance**

The 6015B is built upon the robust 5110B platform, proven durable and reliable. And the entire machine benefits from extensive use of proven Cat components, such as the engine, undercarriage and cab.

The 6015B front is sturdy and strong, yet light enough to promote fast cycle times. The boom and stick utilize high strength steel and rugged castings that are joined and thermally stress relieved for optimum structural life and resistance to impact and wear in difficult digging conditions. Box section design provides superior rigidity and strength, and heavy duty castings are used in high load areas to add exceptional strength and durability.

Providing superior stability, extending component life, and ultimately improving machine uptime, the 6015B swing system includes a unique cross roller bearing with sealed internal gearing, connected to an automatic lubrication system. Adding further to reliability, the undercarriage is a Caterpillar design that leverages proven Cat components.

A newly designed hydraulic filtration system has been incorporated into the 6015B design. A separate kidney loop provides continuous filtration and optimum oil cleanliness at all times, ensuring consistent oil cleanliness for dependable hydraulic system performance.

### **Safe and comfortable**

The 6015B features well engineered access and egress with walkways for safe movement around the machine and an optional 45-degree powered access stairway. Wire and hose guarding facilitate safe maintenance. Numerous and optimally positioned lights, mirrors and E-stop buttons further improve safety.

The operator cab offers large, wide windows, which provide excellent all-around visibility of the work environment, contributing to the operator's situational awareness during digging,

loading and travel. Combined with multiple strategically positioned high-powered lights, and a heavy-duty wiper, good visibility is maintained in both dark and inclement weather conditions. The cab is pressurized to keep dust out, and the climate control system is fully automatic, allowing for consistent in-cab temperature and operator comfort in any weather conditions. The controls are ergonomic with adjustable joystick console height, independent of the seat, to suit operator preference. And the electro-hydraulic controls provide sure, precise maneuvering.

### **Cat technology and support**

The 6015B incorporates advanced Cat technology solutions, such as MineStar™, VIMS™ and Product Link™ for improved productivity, maintenance and equipment management. Like all Cat equipment, the 6015B is backed by the Cat Dealer Network with well-trained service technicians, unparalleled repair facilities and parts stocked around the world for fast service.

For more information about the 6015B Hydraulic Shovel, contact the local Cat Dealer, or go to: [www.cat.com](http://www.cat.com)

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