

# POWERFUL MOBILE CRUSHING PLANT



**LOCATION:**  
Finland

**SCOPE OF ENGINE USE:**  
Cat® C9.3B EU Stage V and  
U.S. EPA Tier 4 Final

**CAT® DEALER:**  
Witraktor, Finland

[www.metso.com](http://www.metso.com)  
Bauma Stand: FS.1111/2

## METSO CRUSHES FUEL COSTS WITH HELP FROM CAT® C9.3B

With a corporate history reaching back to 1868, Metso is a world leader in the engineering and production of equipment to support the mining, aggregates, recycling and process industries. An evolution of a product first introduced in 2004, the Lokotrack® LT200HP™ mobile cone crushing plant is intended for secondary and tertiary crushing applications generating aggregates used for railway ballast, road construction, asphalt and concrete production. The new Lokotrack® LT200HP has been re-engineered to meet EU Stage V / U.S. EPA Tier 4 Final emission standards while reducing fuel usage by up to 40 percent compared to the 2004 version and 15 percent compared to competitive hydraulic crushers.

“Fuel consumption and efficiency are always at the top of our customers' priority lists and reducing emissions levels has become an increasingly important issue in recent years,” says Kimmo Anttila, Vice President, Lokotrack Solutions, Metso. “In this respect, the LT200HP delivers on all counts with a fuel consumption savings of 15 percent or more.”

Metso crushing and screening equipment operates in dusty conditions in mines and quarries that are often in remote locations. That means the engines used have to be robust and reliable in addition to energy-efficient and emission-compliant.

## POWER PROFILE: METSO CORPORATION

Moreover, because these machines are used around the world, a global service network and a strong brand are important factors for Metso customers and distributors.

All previous versions of the Lokotrack® LT200HP have been powered by Cat C13 engines, but an engineering collaboration between Metso, Finnish Cat dealer Witraktor and Caterpillar factory application support determined that the new Cat C9.3B was the ideal choice for the re-engineered model.

Metso and Witraktor, which also is a Metso equipment distributor, have worked together on Cat engine applications for more than 20 years. Witraktor assigns dedicated contact persons for each engineering process and performs required engine audits in-house using specialists trained by Caterpillar to ensure on-time completion that supports Metso's engineering schedule.

The six-cylinder, 9.3-liter C9.3B is built on a core engine that has logged more than 200 million hours of real-world, off-highway operation. It combines a new high-pressure, common rail fuel system with simplified systems for air, electrical and aftertreatment to produce up to 456 hp (340 kW) of power and 2088 Nm of torque, which is 18 percent more power, 21 percent more torque, 12 percent less weight and up to 3 percent lower fuel consumption than the equivalent predecessor engine. Its patented compact and lightweight aftertreatment technology is 39 percent smaller and 55 percent lighter than the previous configuration, and the new design provides transparent regeneration to ensure optimum machine performance and uptime.

"The compact transportation dimensions of the Lokotrack® LT200HP combined with its powerful Nordberg® HP200™ cone crusher, efficient Cat engine and global support make it a winning solution for mobile crushing and screening," Product Manager Jouni Hulttinen adds.



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**LET'S DO THE WORK.™**

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