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Press release

Michelin Presents the New MICHELIN XDR 250 50/80 R57 Tire Designed for Rigid Dumpers



www.michelinearthmover.com

Media contact: + 33 1 45 66 22 22



MICHELIN XDR250 50/80 R57: a tire to improve mining productivity¹.

Key points

With its 67 tons nominal load capacity, the new MICHELIN XDR250 tire can increase the productivity of 250 T rigid dumpers at least 24 %⁽²⁾

Its operating temperature has been reduced by 8 °C⁽³⁾, enabling a higher driving speed and a longer life cycle.

Operators at open pit mines constantly aim to improve their productivity: Michelin can meet their expectations with the new MICHELIN XDR250 tire, able to increase the amount of material carried by rigid dampers per hour, a productivity indicator in this segment.

The MICHELIN XDR250 tire was developed thanks to teamwork and common specifications with two major players in mining machinery, Caterpillar & Komatsu, for their latest generations of machines with a 250 T capacity, and is now fitted on CAT 793F and KOM 830E AC dumpers.

At least 24% extra TKPH with no compromise on tire life²

This extra productivity is achieved by the MICHELIN XDR250 tire by increasing load capacity and speed rating, with no compromises made in terms of tire life.

Michelin totally revised the design of the new MICHELIN XDR250 tire, incorporating a new tread design, more load and optimized size to achieve this outstanding result and satisfy these antagonistic requirements.

The new MICHELIN XDR250 tire can offer the following characteristics:

- **Greater load capacity:** with a nominal load capacity of **up to 67 tons**, the new MICHELIN XDR250 tire is the new benchmark on the market for 250 T dumpers.

¹ Productivity as theoretical TKPH (Ton Kilometre Per Hour).

² Compared with MICHELIN 40.00 R 57 XDR2.

³ Compared to its predecessor.

Load capacity has been increased by 11.6% compared to its predecessor, the MICHELIN XDR2 40.00 R57 tire. This tire is in fact the ideal partner for open pit mine operators aiming to obtain the maximum from new 250 T dumpers.

- **Greater volume:** the new MICHELIN XDR250 tire contains an additional **9.2% in air volume** compared to its predecessor, the MICHELIN XDR2 40.00 R57 tire. The tire has been enlarged to match the growing dimensions of new generations of machines.
- **Lower temperature** operation: its new tread incorporates smaller rubber blocks crossed by more grooves, optimising air flow and cooling. Compared to its predecessor, the MICHELIN XDR250 tire can boast a **peak temperature less than 8 °C**, in comparable operating conditions. This allows the tire to carry a heavier load at the same speed, or to increase the average operating speed. In both cases, a benefit to productivity.
- The new MICHELIN XDR250 tire is **compatible with the MEMS** (Michelin Earthmover Management System), whose technology enables each tire to transmit real time data on temperature and pressure conditions.
- The new MICHELIN XDR250 tire is already available on the market.

