



Press release

Wear protection for truck brake pads: TMD Friction advises a precisely matched combination of brake pad and brake disc in the spare parts market

Leverkusen, May 30, 2018. For trucks and other heavy commercial vehicles, safety and a long service life are particularly important when it comes to brakes. Original equipment manufacturers (OEMs) have therefore been attaching great importance to a perfectly matched combination of brake pad and brake disc for some time now. This idea has not yet been established in the spare parts market. However, TMD Friction has now proven – in new tests with its brand Textar – just why it is equally as important there.

Truck brake discs and pads from various manufacturers were tested. The test results were clear: If the pad and the brake disc are not matched and thus not compatible with each other to the best possible extent, the first hairline cracks in the brake disc can already start forming after a few harder brakes, which become deeper with each braking action. These cracks not only jeopardise the braking system as such and thus the road traffic, but also increase the wear on the brake pad.

"Cracks in the brake disc act like a plane on the brake pad. The crack then removes the friction material in layers and the brake pad has to be replaced earlier than actually needed. A good pad thus 'sacrifices' itself correspondingly for the disc", says Thomas Ahlfeld, Product Manager CV at TMD Friction. "Although many manufacturers work with guarantee insurance, brake pads with guaranteed wear behaviour are very often wear-resistant only as long as the brake disc is in a new condition or the brake pad has not yet been challenged."

In order to avoid a premature and relatively expensive exchange of brake pad and brake discs in trucks, especially on the rear axle, and thus prevent downtimes of the vehicle, TMD Friction recommends always ensuring a perfectly matched combination of brake pad and brake disc and regularly checking the brake discs for cracks. TMD Friction takes into account the behaviour of the disc cracks early in the material development of the brake pads, as well as other factors such as brake noises, overheating and continuous operation behaviour.

TMD FRICTION

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Caption: View of a pot side after a failed crack test

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About TMD Friction

TMD Friction, a fully owned business group of Nisshinbo Holdings Inc., is a global leader in the manufacture of brake pads for the automotive and brake industry. Alongside disc brake pads and drum brake linings for cars and commercial vehicles, the product portfolio also includes motorsport brake pads as well as friction materials for industry. TMD Friction supplies the global spare parts market through brands like Textar, Nisshinbo, Mintex, Don, Pagid and Cobreq. TMD Friction also develops and produces friction linings for industry under the brand names Cosid and Dynotherm. The TMD Friction Group has four sites in Germany, with more in Europe, the USA, Brazil, Mexico, China, Japan and South Africa, and employs around 5,000 staff worldwide. For more information visit www.tmdfriction.com.

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