TIMKEN



Timken bearings improve tractor performance and reliability

CHALLENGE

Tractors are expected to perform efficiently and reliably in all seasons and all weather conditions – while providing the maximum amount of torque through the drive wheels and power take-off (PTO) shaft.

When a Belarusian tractor manufacturer wanted to improve its tractor designs to meet the quality expectations of global customers, the use of premium bearings was seen as a critical part of this upgrade. During the redesign process, Timken experts were asked to work with the customer's engineers and purchasers to propose superior solutions as a replacement for existing tractor bearings.

TIMKEN SOLUTION

Timken engineers identified dozens of opportunities to improve performance and reliability across the customer's entire range of tractors (from 150 to 450 HP). As a result, the customer selected Timken as the supplier for a number of tapered roller bearings, spherical roller bearings and ball bearings. Today, Timken bearings are used in about 30 percent of the customer's tractor bearing positions.



RESULTS THAT MATTER

By adding Timken bearings to its most critical applications, the customer has improved both performance and reliability across its range of tractors. This change has resulted in less downtime and longer maintenance intervals for end users – as well as easier access to replacement bearings in the aftermarket.

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