



Formerly sold as

Koyo



THE CHALLENGE:

Maintaining track roller performance in a dusty soil tilling application.

An agriculture machinery customer wanted to upgrade the track roller bearings in a vertical tillage tool, where the rollers only need to move intermittently and at a very low RPM. The kicker? The working environment is above the active soil tilling action where it's very dusty and dirt particles can accumulate around the rollers. Mounted in a way that does not allow for periodic re-lubrication, previously tested track roller bearings became difficult to turn and completely dry in the roller cavity.

THE JTEKT SOLUTION:

Drop in maintenance-free RITETRAK™ bearings from JTEKT.



RITETRAK™ track rollers are sealed to keep contaminants such as dust and dirt out, while retaining lubrication. In tandem with an increased grease capacity, this allows for maintenance-free operation without re-lubrication over the life of the bearing. Featuring a double row of larger-diameter cylindrical rollers within the same envelope dimensions, RITETRAK™ bearings last up to 4x longer and are a direct replacement over standard needle roller designs.

The customer tested the RITETRAK™ bearings alongside the previously tested track rollers, where they were routinely exposed to dirt and salt water and failure was defined as degradation of the seals, roughness when turning the bearing by hand, or a seized bearing during operation. Every RITETRAK™ sample endured the testing with no failures.

SOLUTION DELIVERED.



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