

Press release

New applications for CARB bearings from SKF

Volvo Articulated Haulers, which are part of the Volvo Construction Equipment, have chosen the SKF toroidal roller bearing CARB for its latest model of heavy haulers for the mining and earthmoving industries.

Two top priorities were set for the new technologies implemented in the new haulers. The machines should require the absolute minimum amount of servicing by the operator and that the impact on the environment should be as small as possible.

SKF's fully-sealed and lubricated-for-life CARB toroidal bearing met these criteria. They are mounted on the hydraulic cylinders that are part of the steering mechanism and are found on the pivot that links the haulers front tractor unit with the separate rear trailer. No re-lubrication is needed, no leakage of grease that could be negative for the environment and assured accuracy of the steering motion. In addition the unique internal design enables a minimized overall size of the bearing permitting a very lean and slim total solution.

CARB has also become a standard solution in the world's continuous slab casting machines for steel production. All the three leading world suppliers of casting plant have incorporated the SKF bearing solutions in their products and a large number of steel mills are upgrading their existing machinery to take advantage of the new technology.

The characteristics of this bearing have noticeably prolonged the life of the bearing arrangements in this very demanding application. Reduced down-time and less maintenance have given the customers higher productivity and increased competitiveness.

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