

Industry: Transportation
End User: Mass Urban Transit Company
Application: Trolley Bus Break Key Bushings
Thordon Grade: ThorPlas-Blue
Date of Initial Installation: 2011

After reviewing their options, MUTC decided to use Thordon's ThorPlas-Blue to replace the bronze break key bushings. The ThorPlas-Blue bearings have completely removed the requirement for grease and have allowed for easy operation without any corrosion, significantly reducing MUTC's maintenance costs. The bearings have now been installed for over 2 years with no issues.

Challenge

In the Czech Republic, the Mass Urban Transit Company (MUTC) provides daily transportation for the public. In order to provide reliable transportation, they must keep up with the maintenance requirements of their trolleybuses, including the break key bushings. MUTC was unsatisfied with the bronze bushings that were running on the break key bushings of their trolley buses. The bearings required grease for lubrication and were providing a short wear life when not greased sufficiently. They were looking for a grease-free solution that would significantly reduce maintenance costs.

Solution

After reviewing the operating conditions and environment, Thordon Bearings recommended ThorPlas-Blue bearings to replace the bronze break key bushings. ThorPlas-Blue bearings offer:

- Lifetime lubrication (do not require grease to ensure smooth operation)
- Long bearing wear life with no maintenance
- Low thermal expansion and excellent abrasion resistance

