



CASE STUDY - CONSTRUCTION INDUSTRY - CRANE BUSHES

Background

Phosphor bronze bushes were originally specified for the top and bottom main column bushes on truck-mounted cranes.

Disadvantages

Whilst recognized as a bearing/wear material, the bronze was achieving an insufficient life cycle to satisfy industry demands and warranty periods or to justify the cost.

Solution

Following extensive test programmes, Devlon bushes were introduced as an OEM specified component in the early 1980s. Polymer bushings have been used ever since and the application has consequently been developed by Devol to include all main pivot points on the boom.

Advantages

- Directly interchangeable with existing components - replaces inferior bronze, steel and thermoset materials
- Significantly extended bush and shaft life
- Low friction results in outstanding wear resistance
- Little/no lubrication required - extended greasing intervals

