**Challenge: Is the location of your mounted bearings inhibiting relubrication?**

An OEM was incurring repeated service calls and warranty claims on a flanged roller bearing. Due to the tight location of the bearing, routine relubrication by the equipment user was difficult, so it was often avoided altogether. This resulted in premature bearing failure.

**Solution**

ABB was able to relocate the grease fitting on the Dodge mounted bearing to a location more accessible to users. Moving the grease fitting allowed for a safer and more convenient relubrication procedure.

The ability to purge contamminates by adding fresh grease as needed ensured the bearings achieved longer life.

**Result**

The OEM was able to provide a user friendly feature that lowered costly service calls and warranty claims.

<table>
<thead>
<tr>
<th>Standard bearing life</th>
<th>= 6 months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dodge modified bearing life</td>
<td>= 24 months</td>
</tr>
</tbody>
</table>

**Total savings of $2,544 per machine/year**
Dodge® modified mounted bearings
Mounted bearings that meet your application needs

Local manufacturing and customer service

Building Dodge mounted bearings locally, with modification capability, means that you get the bearing you need, when you need it. Being local also means that you get the availability and personal customer service you deserve.

Local sales engineers can work with you to review your specific standard bearing challenges and find the modification required for your specific application.

Dodge application engineering
brgpttechsupport@abb.com
864.284.5700

Mounted bearing modification capabilities include:

Sealing
- Accommodate high speeds and temperatures
- Minimize drag
- Protect bearings from harsh environments

Lubrication
- Supply specific greases and factory fill rates
- Provide bearings without grease for customer fill
- Plug bearings to reduce maintenance
- Plug bearings to avoid the addition of potentially incompatible grease by customer

Application specific mounted bearing modification capabilities include:

High temperature applications
- Designed especially for use in temperatures ranging from 215⁰ to 400⁰ F.

Low temperature applications
- Designed especially for use in temperatures ranging from -20⁰ to -40⁰ F

Air handling applications
- Specifically designed and tested for high speeds and quiet operation

Other modifications are available upon application and product review. Multiple modifications within a single unit may also be available.

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