GYMPIE BEARING SUPPLIES
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GREASING

Statistics show that nearly 50 percent of all bearing damage can be attributed to inadequate lubrication. Although a very broad term, inadequate lubrication can be classified into eight basic categories: 1) overfilling, 2) underfilling, 3) incorrect grease, 4) mixing greases, 5) incorrect lubrication systems and intervals, 6) worn-out grease, 7) water contamination, and 8) debris contamination.

BALL BEARINGS

All sealed ball bearings are pre-packed with grease to factory speciation. Removing the seals can damage the sealing element. Excess amount of grease will cause temperature rise and this will cause premature failure of the bearing.

TAPERED ROLLER BEARINGS

Tapered roller bearings should be packed with the manufactures recommended grease. When filling a tapered roller bearing, the grease should be forced between the rollers and the cage. Always be careful not to over grease the bearings when using grease nipples—a great example of this is the "Bearing Buddy" concept on trailers. The recommended amount of grease for any taper application in a hub is approx 1/3 to no more than 1/2 full.

BEARING HOUSING UNITS

Bearings/Bearing units are pre-filled with the appropriate amount of grease and do not need to be relubricated during normal operating conditions. However if they do need to be relubricated, small amounts of grease (approx. 1/3 to 1/2 of the bearings internal volume) are sufficient for relubricating.

PACKING TAPERED ROLLER BEARINGS

BY HAND

1) Thoroughly clean your hands.

2) Place grease, approximately the size of a golf ball, into the palm of one hand

3) Using your opposite hand, push the large end of the bearing cone assembly into the grease. This enables the grease to be forced between the rollers, cage and cone.

4) Continue pushing grease into the large end, rotating the entire cone assembly, until the grease is forced out evenly around entire small end.

5) Smear excess grease on the outside of the bearing cone assembly.

INVERTEK

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