

BEARING QUESTIONS AND FAILURES

1. IMPROPER LUBRICATION/CONTAMINATION ACCOUNTS FOR 70% OF FAILURES.
2. DIRT IS THE PRIMARY CAUSE OF 90% OF BEARING ISSUES.
3. THERMAL EXPANSION FOR STEEL COEFFICIENT IS .00007 INCH PER 0/DEGREE F.
FAILURES AND POSSIBLE CAUSE

1. CAGE WEAR
 2. DIRT
 3. HARD PARTICLES
 4. CORROSION
 5. ETCHING
 6. SPALLING
 7. RACE FAILURE
 8. SCOURING
 9. FRACTURE
 10. ROLLER FAILURE
 11. IMPROPER SIZING/INSTALLATION
 12. LACK OF LUBRICATION
 13. SEAL FAILURE RESULTS IN LOW LUBRICATION LEVELS
 14. DO NOT AIR DRY WITH HIGH PRESSURE AIR HOSE
 15. REPLACE COMPLETE UNIT BEARING/SEAL/RACE
 16. HOUSING DAMAGE/AXLE SHAFT/ETC.

THESE ARE THINGS TO LOOK AT WHEN PERFORMING A CHECK ON BEARING ISSUES AND FAILURES. USING PROPER TOOLS IS ESSENTIAL FOR SUCCESS. MAKE SURE LUBRICANT COMPLIES WITH BEARING REQUIREMENTS. ALWAYS USE EYE/EAR PROTECTION AND PROPER SAFETY PRECAUTIONS. NEVER WORK ON ANY VEHICLE WITHOUT RAMPS/SAFETY STANDS/SOLID WOODEN BLOCKS/ OR OTHER APPROVED SAFETY DEVICES. IF YOU ARE UNSURE ASK???????? I HOPE THIS ARTICLE WILL HELP RESOLVE QUESTIONS OR ISSUES YOU MAY ENCOUNTER.

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