



Post Service Analysis

Our precision miniature and instrument bearings have proven to be highly reliable when used within the defined limits of their capabilities. However, bearings, like any mechanical device, are subject to failure. Failure may occur due to improper mounting, lubrication, environment, loading, maintenance or contamination after installation, as well as workmanship or materials deficiencies.

NHBB maintains a technical staff experienced in the analysis of bearing failure. Using their specialized knowledge, analytical tools and ultra-precision measuring and test equipment, the cause of bearing failure can often be determined. This capability is available to customers experiencing bearing-related problems. In the event that post service bearing analysis is desired, please contact an NHBB Sales Representative, who will make the necessary arrangements.

Hardware and information required to successfully perform a post service analysis include:

- All bearing components and the assembly in which the bearing was used should be made available for examination.
- Bearing manufacturing lot numbers, if available, should be provided.
- Historical information should be provided which describes the conditions under which the device operated, such as speed, loads, temperature and atmospheric conditions to which the bearings were subjected, as well as any unusual shock, vibration, electrical arcing or handling situations to which the device was subjected.

Upon completion of the bearing analysis, a detailed report will be provided noting our findings.