



## Source Qualification Inspection (SQI)

With the global supply chain of bearings, OEMs must understand the unique characteristics that allow the bearing to be successful in their applications. Unfortunately, bearing manufacturers are not willing to share their design intentions. Drawings that provide the recipe to ensure repeatable application success, saving companies both time and money, have been withheld, until now.



**Napoleon Engineering Services' (NES)** extensive Source Qualification Inspection (SQI) program provides valuable insight and information, making your application more efficient and cost effective. A unique industrial bearing reverse engineering program, SQI opens a door to provide an inside look at manufacturers' design intentions. By opening the lines of communication between the bearing manufacturers, SQI can lead to

enhancements of current technical drawings. Through a series of thorough inspections, the highly skilled, meticulous engineers at NES provide a series of detailed reports to determine the quality of workmanship, geometrical characteristics, and the material integrity of a given bearing. Through these invaluable inspections which include: a complete visual and dimensional inspection, noise testing, seal evaluation, material chemistry, microstructure, and hardness test, SQI can provide the ability to determine differences in performance between suppliers' products, giving understanding to why a baseline product is successful.

With the uncertainty of today's global supply chain, SQI provides stability by providing knowledge control of the bearing design. SQI, combined with NES endurance testing programs, allows for a comprehensive understanding of bearing performance and expectations within a given application, providing OEM's the information needed to make informed decisions. With the array of uncertainties that may affect your application, let the largest independent Bearing Inspection and Bearing Testing facility in the United States provide the stability and peace of mind that only NES's experienced engineers can offer.

