INA thin-wall bearing parts in the production process of technical analysis

INA bearings in the superior running form will announce the low hum the sound percussion scars can also occur noise, the noise will follow the thin-wall bearing speed bump and differences.
If intermittent noise, permeability. If announced sharp hissing sound, squeaky voice and other irregular sound, often revealed performance bearing is bad even turn.
The grease pressure heavy load should be selected penetration small works in addition to penetration of small things, but also have high oil film strength and extreme pressure properties. According to the selection of grease when environmental conditions, calcium base grease is not soluble in water, and is suitable for drying and less water environment. Grease INA bearings are the most commonly used sodium calcium base grease grease calcium sodium grease lithium grease aluminum base grease or molybdenum disulfide grease. The number of bearing grease filling, in full bearing 1/2-1/3 suitable for the internal space. High speed should be reduced to 1/3 too much grease will enable increased temperature rise.
The temperature of the bearing, general bearing outside of room temperature can be speculated that, if the use of the oil hole can directly measure the temperature of thin wall bearing outer ring, the more appropriate. Usually, the INA temperature of the bearing with bearing running slowly rising, reach a steady state after 1-2 hours. The normal temperature of bearing due to the heat capacity, the machine heat dissipating capacity, speed and load and different. If the lubrication, install appropriate, bearing temperature quick rise, abnormal high temperature occurs, then have to stop running, take the necessary preventive measures.