Analysis of cement machinery SKF import bearing fault

The damage of the cement machinery import bearings are very common, because the cement manufacturing tend to these mechanical equipment wear big. How to better understand the damageable parts better that we focus our attention on the problems in production! Bearing imports of machinery and equipment belonging to vulnerable parts, its operation state is good or not directly affects the performance of whole equipment. Cement machinery and equipment, by the early failure of rolling bearing imports led to many instances of equipment fault. Therefore, to find out the root causes of failure, take remedial measures, eliminate the fault, is the key to improve the operation rate of the system.

A, overheating. Roller raceway and ball or holder to change color, shows that import bearing overheating. A rise in temperature will make the lubricant oil is not easy to form the lower, or disappear completely. The temperature is too high, will make the material annealing raceway and ball, hardness decreased. This is mainly thermal negative or heavy load, high speed caused by inadequate case cooling. The solution is the full heat, the additional cooling.

B, overload. Serious surface spalling and wear, show that the rolling bearing imports early fatigue due to overload of failure (in addition to tie too tight will cause a certain amount of fatigue). Overload can cause import serious raceway on bearing steel ball abrasion, large area of peeling and sometimes accompanied by overheating. The remedy is to reduce imports of bearing load or increase the bearing capacity of imported bearings.