

cast iron rotary gear pump

The power insufficiency fault of the [cast iron rotary gear pump](#) is mainly reflected in the obvious weakening of the output power during operation, failure to reach the rated pressure, slow operation of the equipment, and even inability to drive the load normally. After in-depth analysis by Runhe's professional technical team, the core causes of this fault are summarized into three points: first, the serious wear of the gear tooth surface leads to increased clearance between the gears, resulting in insufficient oil pressure output; second, the aging and damage of the shaft sleeve and bearing cause unstable operation of the pump body, affecting power transmission; third, the blockage of the oil inlet channel leads to insufficient oil supply, which cannot meet the power demand of the equipment.

Aiming at the root causes of power insufficiency, Runhe Hydraulics has formulated a targeted solution. First of all, the professional technical team uses high-precision testing equipment to accurately locate the wear parts of the gear pump, focusing on detecting the wear of the gear tooth surface and the tightness of the shaft sleeve. For the worn gear teeth, Runhe uses precision processing equipment to repair the tooth surface, restore the tooth shape accuracy, and ensure the tight meshing of the gears; for the aging shaft sleeve and bearing, it replaces them with original standard accessories to ensure the stable operation of the pump body.

In addition to fault repair, Runhe Hydraulics pays more attention to pre-prevention and long-term stability. The [cast iron rotary gear pump](#) produced by Runhe adopts high-strength cast iron materials, which effectively improves wear resistance and pressure-bearing capacity; the optimized oil inlet structure design avoids channel blockage, and the professional assembly process ensures the tight fit of each component, fundamentally reducing the occurrence of power insufficiency faults. At the same time, Runhe provides professional technical guidance to help enterprises master the correct use and maintenance methods, further reducing fault occurrence.

Hebei Runhe Hydraulic Machinery Co., Ltd. has rich experience in the hydraulic industry, focusing on the R&D, production and after-sales service of cast iron gear pumps. With a professional technical team and advanced production testing equipment, the company can quickly respond to the power insufficiency fault of the gear pump, provide efficient and reliable repair solutions, and help enterprises reduce maintenance costs and improve production efficiency. Choosing Runhe is to choose professional guarantee and reliable after-sales service, escorting the stable operation of your production line.

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