ANNUAL PUMP AND MOTOR OVERHAUL FOR LISTED LEISURE FACILITY

Maintaining reliability and efficiency for legacy pumping equipment

AVTPUMP has supported a listed public leisure facility for more than 16 years, carrying out annual overhaul and maintenance of two critical pumps and motors.

Due to the protected status of the site, full system upgrades are restricted unless repair is no longer viable. The objective is therefore to maintain the existing equipment to a high standard, preserving reliability, efficiency, and safe operation for as long as possible.





THE CHALLENGE

The pumps and motors are ageing assets, but they remain essential to the continued operation of the facility.

Because replacement or major system modification is limited by the site's listed status, annual refurbishment is required to control wear, maintain performance, and prevent avoidable failures.

Typical issues include worn shaft packing sleeves, bearing wear, impeller wear ring deterioration, and casing wear ring clearance loss.

Motor bearings also require regular attention, while motor windings must be cleaned and stoved to maintain insulation resistance and extend motor life.

OUR APPROACH

AVTPUMP carries out a scheduled annual refurbishment programme covering both the pumps and motors. The customer also completes routine maintenance during the year, including bearing greasing and packing adjustment, helping to support reliability between overhauls.

During workshop inspection, AVTPUMP assesses wear levels, restores critical clearances, and identifies any components that require replacement or re-engineering.

SERVICE MATTERS

"The customer continues to value the quality of service provided by AVTPUMP and has maintained a long-standing relationship with the team over many years."



THE RESULT

The annual overhaul programme has helped keep the legacy pumping equipment operational, reliable, and efficient over many years.

The customer continues to rely on AVTPUMP for planned refurbishment work, avoiding unnecessary system replacement while preserving the function of critical assets within the constraints of a listed site.

OUR SOLUTION

AVTPUMP manufactured new bronze casing wear rings and shaft sleeves.

Impeller wear ring location diameters were machined to restore original diametric clearances and improve hydraulic efficiency.

Pump bearings and packing were replaced with new, while motor bearings were cleaned and restored. Motor windings were cleaned and stoved to maintain the insulation resistance required for long-term reliability.

Following reinstallation, the pump and motor were laser aligned to support efficient operation and reduce unnecessary mechanical stress.

AT A GLANCE

Industry: Leisure, Heritage Facility

Application: Pump and motor refurbishment

Services Provided: Pump overhaul, motor overhaul, re-engineered components, laser alignment

Products Used: Re-engineered bronze sleeves, casing wear rings, bearings, pump packing

Outcome: Long-term reliability maintained for ageing equipment within listed-site constraints.

Need help?
Contact our experts
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