

Case study 655

Sykes provide pump hire for sewage treatment works

When a major sewage treatment works in Oxfordshire suffered pump failure on site, the water company in charge for maintaining the units contacted Sykes for a replacement. Our client has a number of permanently installed pumps in their pump room, so when two of them broke down unexpectedly something needed to be done.

The course of action taken by our engineers had to legislate for the need to over-pump sewage into a discharge tank to ensure the flow in the chamber was maintained at a manageable level. This was to enable an unrelated contractor to replace a faulty valve which had been causing other problems at the plant.

Once the unique specifications of the project were made clear, we provided six 6" submersible pumps to the overflow chamber, with a seventh unit used as backup to over-pump to the discharge tank. This set-up ensured we could accommodate the scheme's demands – overpumping 1,200 litres of sewage per second – which was not a problem for our technicians.

By using the crane on our Hiab lorry, we were able to ensure each pump was carefully lifted into the chamber, and over the pump room, without any issues. All equipment was mobilised on site within a week of the request, despite the fact the job was originally supposed to take place during the summer. The expertise of our engineers and immediate availability of pumps meant everything was commissioned months ahead of the planned date.



Model: AFBK1575
Motor type (V): 415 (3-Phase) 50Hz
Motor rating (Kw): 37
Running current (Amps): 69
Running speed: 1450 rpm
Discharge port (mm): 150
Suction inlet port (mm): 150
Maximum solids (mm): 100
EX Rated: Yes
Cooling jacket: Yes
Dimensions (H x W) mm: Guide rail option: 1330 x 670
Weight (Kg): 582
Transportable option: 1485 x 1020
Weight (Kg): 612

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