Case study 605 Sykes Pumps aid lake regeneration

When algae in lakes bloom excessively, it can reproduce too rapidly and eventually cause the water to be full of decomposed organisms. A lack of sunlight can harm the photosynthesis process which in turn gives off carbon dioxide – causing the algae to die. This will then have direct implications for the lake itself, reducing oxygen levels below required amounts for fish and other forms of aquatic life to survive. A rise in organic matter will also lead to nutrients being released back into the lake, and this will once again trigger the beginning of this harmful cycle.

At Sykes Pumps, we have an excellent understanding of this problem, combined with vast levels of experience working with fishing clubs and leisure lake projects across the country. So when one of the UK's most popular angling lakes suffered a surge in the presence of algae, we were contacted by the relevant authorities to help reverse the process.

An oxygen shortage had caused a large number of fish and plant deaths, so a solution was needed immediately to help curb the loss. One of our technicians was on site within a few hours of contact, and after surveying the area, recommended two 6" diesel driven pumps fitted with Venturi Aerators.

These units were selected because of their ability to increase the oxygen levels of water, and have been used to save rare fish stocks in the past. Thanks to our swift response and efficient equipment, we were able to preserve a vulnerable fishing business – much to the delight of the anglers and the lake owner.







Weight 1230 kg with fuel/1133 kg without Dimension (LxWxH)mm: 2100x1500x1635 Noise level Typical noise level at 1m = 94 - 98 dBA Performance Max head: 38 m/Max flow: 90 l/s/Max solid: 52 mm Fuel Tank Capacity 122 litres Fuel Consumption Typical fuel consumption on full load @ 1800 rpm: 5.5 l/h



