

Pump hire safeguards lagoon at disused quarry

Once depleted of their desired resources, quarries are generally abandoned and left to be reclaimed by nature. This was the intended outcome of a Plymouth quarry that ceased operation several years ago, but a number of precautions had to be taken to ensure the site was safe ahead of its official closure.

The presence of a large lake within the grounds was identified as a particular cause for concern, with health and safety representatives insisting that water levels would need to be kept low.

With Sykes Pumps' experience of quarries and mines well-known in the South West, we were contacted by an excavation specialist and tasked with addressing the lake's depth.

Due to the remote location of the quarry, it was evident that any water removed would need to be transported a long way from site. This requirement prompted us to recommend the use of our HP100 super silenced pump, with its high head capability rendering it the perfect fit for a long push application.

The pump was set up on level control for automatic start/stop and left to run 24 hours a day thanks to its silenced functionality.

To ensure the pump could operate continuously for extended periods of time, we also supplied a 1,000-litre fuel tank which negated the need for it to be refuelled frequently.

Thanks to the technical knowledge of our regional engineer and the fact that we have a depot located nearby in Bovey Tracey, the pump hire package was delivered and installed a short time after the enquiry surfaced.



Performance

Max Head:- 98m, Max Flow:- 44 l/sec

Weight 1,621 kg with fuel / 1,504 kg without fuel

Dimensions (LxWxH) mm 2,375 x 1,450 x 1,600

Noise level @7m= 65 dBA

Fuel Tank Capacity 155 litres

Pipe Connections Suction:- 4" table D Or 4" Bauer /

Discharge:- Flanged 4" NP16

Fuel Consumption Full Load @ 2,800 rpm:- 9 litres/hour

Energy efficient duty point Fuel consumption @ 2,500 rpm:- 6.2 litres/hour



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