Case study 608 Wind farm seeks pump hire

During the preliminary stages of a wind farm project in Essex, it was necessary to clear as much water from the site as possible to allow turbines to be erected. Excavated footings needed to be kept clear long enough for builders to lay a concrete membrane. The application was challenging because of unstable ground, meaning track mat was used as a precautionary measure. Our client was also unsure about flow rates or the amount of water actually present but we recommended a system based on the information given.

Initially, both GP100M and GP150M pumps were supplied on hire with a view to either increasing or decreasing the number of units depending on the volume of water. We also discussed the possibility of using some GP200M models but it was thought that the sheer weight and positioning of these would cause a problem. However, the original solution was extremely effective and dealt with the flow rate entirely.

The assignment itself was particularly high profile, and backed by government funding to create a new energy source. Once again we demonstrated our ability to work in tough environments while completing all tasks to a high standard. In addition to providing and installing all equipment, a Sykes Pumps service engineer visited site regularly to maintain our units and ensure their efficient operation.

This assistance was greatly appreciated by the customer – one of the UK's largest engineering companies – who repeatedly expressed their gratitude throughout the project's duration. Following a successful job which was completed well within the allotted time frame, we remain their number one pump supplier – with units since hired for other developments in the area.







Weight 1230 kg with fuel/1133 kg without fuel Dimension 2100 x 1500 x 1635 Performance Max head: 38 m / Max flow: 90 l/s / Max solid: 52 mm Fuel Tank Capacity 122 litres. Max 24 hour with cleaning and flushing facilities Fuel Consumption Typical fuel consumption on full load @ 1800 rpm: 5.5 litres/hour Pipe Connections Suction: 6" table D, Discharge: 6" table D, Bauer couplings

option: 6"





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