

Merlin Pump Works Its Magic For Plant Hire Company

The ability to create a successful and safe solution to a problem which other pump manufacturers had not been able to solve has lead to a Mono Merlin pump being fitted to a new custom-built, fuel oil delivery vehicle.

Lancashire-based Ruttle Plant Hire required a pump that would discharge the diesel fuel from the new tanker. While other manufacturers could only offer petrol-driven pumps that were unsuitable from a safety aspect, Mono was able to supply a Merlin progressing cavity pump that is driven by the power from the vehicle itself. The customer now has a fuel discharge system that works reliably and has proved to be so efficient, that it has reduced the duration of the daily fuel delivery round by over two hours.

In addition to providing a safe and efficient solution to Ruttle's requirements, the Merlin pump fitted to the 3,000 litre capacity tanker offers other significant benefits. With a typical operating speed of 700rpm and delivering up to 100 litres/minute of diesel fuel oil, at 3 bar pressure, the ability to vary the power take-off from the vehicle allows the pump to operate at different speeds. The pump can deliver fuel in appropriate quantities to various sizes of machinery ranging from large earthmovers to small mechanical diggers.

Since the new tanker first hit the road in September of last year, the Mono Merlin pump has worked consistently and has

so far has delivered over 250,000 litres of fuel oil.

The Merlin Industrial range has 20 models available in both cast iron and stainless steel construction and is capable of handling applications up to 10 bar and capacities up to 60 m³/h. The normal operating characteristics associated with PC pumps are also applicable to the Mono Merlin pump. They are capable of self-priming, can operate in either direction and have a gentle, smooth pumping action which maintains the product integrity.

This simple construction results in a pump range that is extremely reliable and easy to maintain. PC pumps can be found in use throughout many industries ranging from water and sewage through to chemicals and food, and are also regularly chosen for applications involving all types of pumped media from delicate gels and solids in suspension, viscous or abrasive substances. Backed by Mono's extensive technical support and outstanding experience of engineered pumping solutions, they can offer an ideal solution to many types of pumping requirement.



Pump:	CAC12H1J3
Product:	Diesel fuel oil
Capacity:	100 litres/hour
Pressure:	3 bar
Pump Speed:	700 rpm
Drive:	Power take-off from the vehicle



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