SERVICE MATTERS

FUEL STORAGE

ADDITIONAL PUMP SET IMPROVES ROAD LOADING RESILIENCE

Duty, standby and site spare arrangement strengthens continuity for a critical fuel transfer application

Following an earlier pump repair enquiry, an existing customer asked AVTPUMP to supply an additional pump set for a critical road loading application.

The site transfers product from storage tanks into road tankers for onward distribution across the UK. With continuity of loading essential to maintaining delivery schedules, the customer wanted greater resilience than the existing arrangement could provide.

THE CHALLENGE

The condition of an existing asset, combined with the criticality of the application, highlighted the operational exposure created by limited pump redundancy. A failure could prevent road tankers from being loaded, delaying product deliveries and disrupting the wider distribution schedule.

Rather than waiting for another failure to create an urgent requirement, the customer chose to strengthen the installation by adding a further pump set.





OUR APPROACH

AVTPUMP worked with the customer to supply the additional asset to an agreed specification developed to support continuous improvement across the site's ageing pump population.

The new arrangement provides a duty pump, standby pump and site spare, giving the customer greater flexibility when maintenance or repairs are required.

"This project moved the site from relying on its existing assets to a duty, standby and site spare arrangement. Just as importantly, it gave us the opportunity to introduce an improved pump and sealing specification that can now be applied consistently as other assets are overhauled." AVTPUMP Engineer

OUR SOLUTION

The new pump set was supplied with an upgraded baseplate in line with the customer's agreed AVTPUMP standard.

To address an ongoing history of mechanical seal failures, the sealing arrangement was also upgraded to an AESSEAL® DMSF double cartridge seal better suited to the application.

Before delivery, the complete pump set was verified at the AVTPUMP workshop and precision laser aligned, with an alignment certificate supplied to the customer.

AT A GLANCE

Industry:	Fuel Storage & Distribution
Equipment:	Road loading pump set
Services:	Pump set supply, workshop verification, precision laser alignment and site support
Products:	AESSEAL® DMSF double cartridge seal
Key Improvement:	Duty, standby and site spare arrangement with an upgraded standard specification
Outcome:	Improved redundancy and a repeatable upgrade specification for the site's ageing pump assets

THE RESULT

The additional pump set has strengthened redundancy on a critical road loading application and established an improved specification that can be applied progressively to the customer's ageing assets.

The customer has since enquired about removing a second pump set for overhaul and bringing it in line with the same specification, extending the reliability improvements across the installation.





Need help?
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