



MP Filtri's portable particle counter for health checks in hydraulic systems



MP Filtri

It is well known that 80% of damage in hydraulic systems is caused by particle contamination. MP Filtri was among the first companies in the development of contamination control devices at the turn of the new millennium to protect machinery, boost performance, and increase the longevity of complex mechanical-hydraulic systems.

The new LPA3 is a portable particle counter capable of delivering fast, precise hydraulic health checks in the field that replaced the previous release called LPA2.

Featuring an ergonomic, compact, lightweight design, the new device brings the benefits of the laboratory to the workplace – ensuring outstanding eight-channel accuracy – even in highly challenging work environments such as the mobile, industrial, and oil and gas sectors.

The LPA3 can automatically measure, report, and display solid particle contamination, humidity levels, and both the pressure and temperature of the system so appropriate maintenance procedures can be initiated before any failures occur.

The benefits of this approach to predictive maintenance include: a reduction in unplanned machine downtime, reduced maintenance costs, and longer component life of the components - ensuring more uninterrupted operation.

The LPA3 is extremely easy to use, even for less experienced operators who can perform its functions with one simple touch of the fully programmable 10" high-resolution color touchscreen display."

MASSIMILIANO SANNA, Marketing Manager, MP Filtri

Deutz

In 2018 the first EU Stage 5 engine came off the production line at Deutz. The year before, Deutz was the first engine manufacturer in the world to be given an EU Stage 5 certificate. Early certification and delivery offered Deutz's customers flexibility for integrating the EU Stage 5 engines into their equipment and planning certainty for changing over to the new stage.

Concurrently, Deutz is keeping its environmental promise and positioning itself as an ecologically oriented engine manufacturer. As part of its E-Deutz strategy, Deutz is also introducing electric drive systems into its low-emission combustion engines portfolio to further support the industry for carbon dioxide reduction. The first Deutz hybrid design, consisting of a TCD 2.9 diesel engine and a 55 kW electric drive system, was shown in Spring 2018 at Intermat, followed by a fully electric 48 V excavator at Bauma 2019 and a fully electric 360 V telehandler at Conexpo 2020. Customers will benefit from local zero emission, plus beneficial total cost of ownership. Deutz has developed its Service business significantly by gaining market share and expanding the Deutz Service Network to support its customer. To be ready for future energy trends Deutz is developing its conventional combustion engine to be run with hydrogen and it is currently on the test stand. Deutz aims to be the market leader for innovative drive systems for clean power in the off-highway sector.

MICHAEL WELLENZOHN, member of the Deutz board of management, responsible for Sales, Marketing and Service.



An engine from Cologne, Germany-based Deutz