

Marketing

Applications

Publication



Company and location details are Confidential

Submitted By:
Matt Fielder
Parker Filter Division Europe

Monitoring Filter Performance in Jet Fuel Systems

ACM20 provides a 'high-flying' performance

Since the introduction of portable particle counters in the hydraulic field, acceptance and use of such monitors has continued to grow rapidly as their accuracy and value in predictive maintenance is repeatedly confirmed.

Now, with the introduction of Parkers ACM20, fuel distribution operators, terminal managers and refuelling companies can see for themselves just how cost effective such dynamic monitoring of systems can be.

The new ACM20 will replace current subjective methods of fluid monitoring still in use today for checking and maintaining the quality of today's modern Aviation fuels, from the point of manufacture through the distribution system to the point of uplift into the wing.

The ACM20 is designed to be easy to use and fast to provide results. These accurate downloadable results can be manipulated to provide valuable predictive maintenance statistics.



Standard industry quick connections are suitable for taking a sample, a small amount of waste is produced during sampling, but not the amount generated when sampling using a Millipore test kit.

Overleaf we have a great example of how useful the ACM20 is in the airport fuel farm. In this example the ACM20 is not only a great tool for preventative maintenance but an excellent lever for selling the Racor hydrocarbon fuel filtration products.



Company and location details are Confidential

ACM20 MAP Continued....

Case Study Example

At a recently established fuel farm located at a major international airport on the Pacific Rim, the operators conducted a test comparing 3 filter manufacturers: Manufacturer A, manufacturer B and Parker Racor.

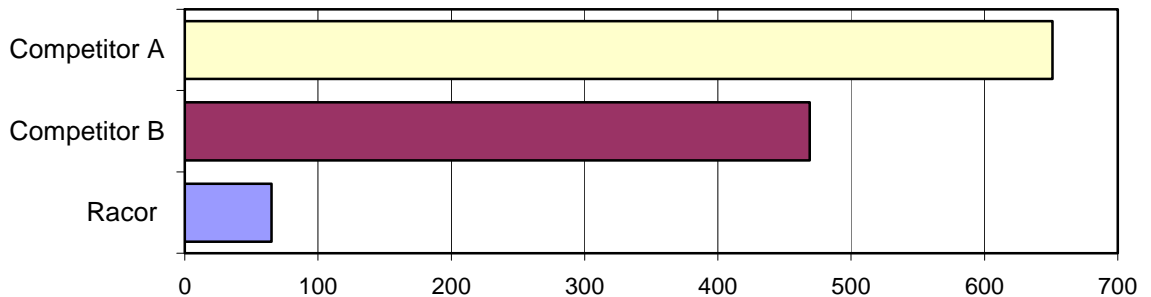
3 Microfilter vessels have been installed in parallel on the common inbound line into storage. This allows operators to truly compare different manufacturers elements accurately, ensuring each element receives identical fuel.

Connected directly into the process inline both upstream and downstream, the ACM20 allowed the operator to monitor contamination levels / bypass as it happened, thus providing on the spot evaluation of filters in service.

The down stream counts past the test filters (4µc count only) can be seen below for you to make your own assessment!

Manufacturer	Counts > 4µ(c)
A	651
B	469
Racor	65

Graph showing the particulates remaining



As a result of the data collected, the Airport in question is now moving forward with Parker in 2 areas. Firstly, the selection of Racor Microfilters and secondly they are continuing to evaluate their fuel system cleanliness with the use of the ACM20.

**Use this information as a great opportunity to 'Promote and Sell'.
Email success stories to: filtrationinfo@parker.com**

Parker Hannifin (UK) Limited
 Filter Division Europe
 Churwell Vale, Shaw Cross Business Park
 Dewsbury, WF12 7RD
 Tel: +44 (0) 1924 487000, Fax: +44 (0) 1924 487038
 Email: filtrationinfo@parker.com

