

Multi-pass method for evaluating filtration performance of filter element

■ Corresponding standard : JIS B8356-8 /ISO16889

Test Overview

The most important ability of Filter element is to filtrate fluid. This test is to evaluate the filtration performance of filter element from the beginning in the use through until it gets clogged.

Procedure

1. Install filter and filter element in the test equipment
2. Continuously inject a specific amount of test contaminants. The Oil passed through filter circulates in the test circuit.
3. Take readings of particle number of test contaminants in oil for each particle size at both upstream and downstream.
4. Repeat the procedure until the element gets clogged.
5. Make a graph or chart of particle number of test contaminants in oil for each particle size at both upstream and downstream.
6. Filtration performance will be represented in the ratio of particle number for both at upstream and downstream. It is called Filtration or Beta Ratio.

Test equipment

