Customized services

Wear and Tear of Components

IFTS is a world-recognized independent centre of expertise in particulate contamination control, with excellent facilities.

REDUCE WEAR AND TEAR OF COMPONENTS

Because components are all affected by the presence of particles suspended in the fluid, you need to reduce wear and tear of components.

By doing so, you will be sure at 100% of the positive results:

- Longevity of all active components in fluid circuits is increased
- Reliability of systems is improved
- Performance reaches high score

IFTS, A RELIABLE PARTNER

IFTS is the expert you can rely on for defining the maximum level of contamination acceptable for your components.

UNIQUE FACILITIES IN EUROPE:

IFTS has all necessary test benches for measuring wear in all type of active components: pumps, valves, regulators, distributors…

In all operating conditions

- Flow rates from 0 to 100 L/min
- Pressures from 0 to 400 bar
- Frequency from 0 to 5 Hz
- Temperature from -20 to +180℃

IFTS CAN WEAR AND TEAR WITH ANY PARTICULATE CONTAMINANTS:

- Of any standard or customised type (MIL E 5007E, Carbon, Silica powder, ...)
- Of all sizes (from a few microns to several millimetres) and at all concentrations (from few particles per mL up to several g/L)
- In any fluid : standard oils or fuels, or customer specific fluid

IFTS registers and reports speed of rotation, power consumption, flow rate or generated pressure, response time and all functional parameters to define their evolution vs contaminant size and concentration.

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