



Filtration Intelligence Technology for Rail

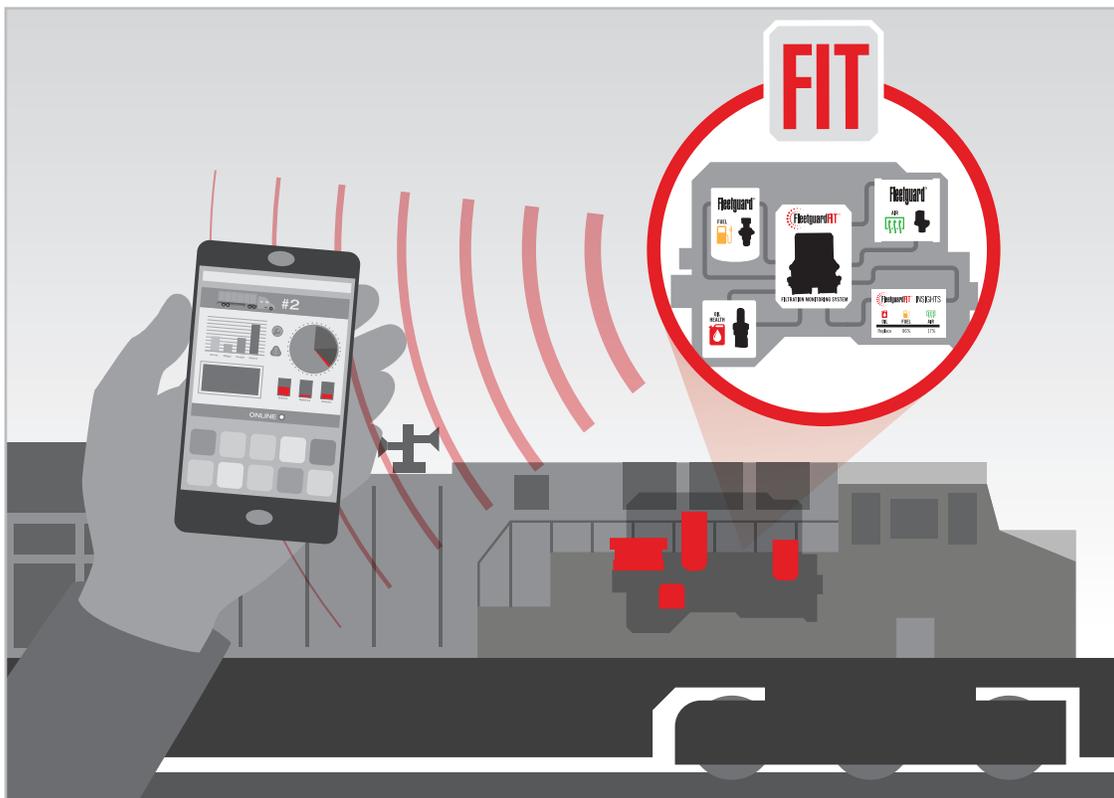
The most capable filtration and engine oil monitoring system available today, exclusive to Fleetguard® filters.

THE CHALLENGE:

Minimize maintenance costs related to filters and oil, as well as equipment downtime for a variety of applications.

THE SOLUTION:

Through intelligent sensing and advanced data analytics, FleetguardFIT gives you full visibility of Fleetguard filters and oil health on your equipment.



This scalable, customizable monitoring system:

- Works with any telematics communication device upon integration
- Helps establish predictive condition-based maintenance intervals and optimize your Fleetguard filter/oil spend
- Enables early, proactive problem detection to help avoid unplanned downtime
- Protects the engine through real-time monitoring, extending equipment life
- FIT provides continuous real-time results while oil sampling is just at the time of testing

THE RESULT:

In recent tests, FleetguardFIT has been proven to reduce the total cost of ownership for rail fleets:



MAINTENANCE COSTS

62%



UNPLANNED DOWNTIME

SAVINGS AT LEAST \$200 /EQUIPMENT /YEAR



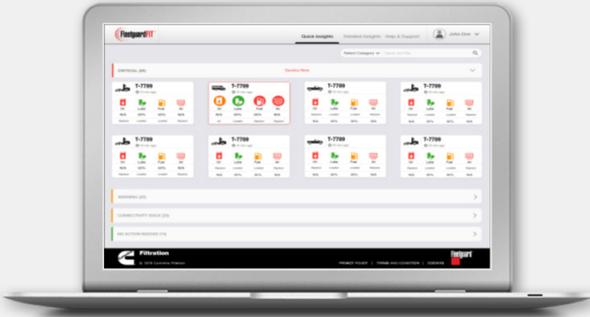
HARDWARE RETURN ON INVESTMENT

6 MONTHS

*Total Cost of Ownership Savings based on monitoring service intervals in the rail equipment.

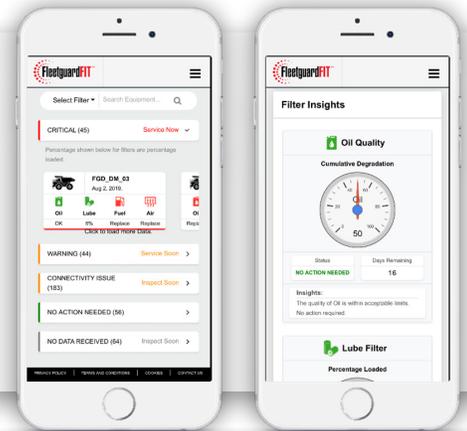
Conditioned-Based Maintenance

By monitoring your Fleetguard filters and oil health with FleetguardFIT, you can reduce your spend on filters and oil by 62% and service only as needed, synchronize filter and oil change intervals alongside equipment service intervals, and proactively turn breakdowns into planned maintenance events.



Web Portal & Mobile App

- Provides complete filtration system information
- Provides proactive actionable recommendations to prevent potential breakdowns



Industry-Leading Hardware



Air Restriction Indicator

- Sensor monitors restriction
- Color changes based on restriction



Liquid Differential Pressure Sensor

- Communicates all stages of filter life



Oil Quality Sensor

- Patented algorithms calculate oil condition and remaining life
- Data then used to potentially extend oil drain intervals and predict oil quality issues



Filtration Monitoring System

- Receives filter sensor data
- Uses TSP or Datalogger to manage data

Fleetguard Filters are engineered to meet or exceed OEM specifications to ensure engines and other systems get maximum life. Combined with Fleetguard FIT real time monitoring system, you can:

 **58%**

Reduce filter changes by up to 50% per year for fuel and air.

UP TO
 **3%**

Improve fuel economy up to 3% due to real-time indication of your filters and oil health.



Best Warranty in the Business.

Fleetguard products ensure equipment performance and protection that meets or exceeds OE specifications. Rest assured your filtration system is covered with the Cummins Filtration non-prorated warranty.



For more information, visit CumminsFiltration.com

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