



IFTTS is an independent centre with world-recognized expertise and unique facilities to measure all characteristics of all types of liquid filters

Mining Industry Success Story

How Do Smart Global Mining Companies Use Filter Testing to Improve Operations?

Mining companies rely on hundreds of off road vehicles and equipment every day. Maintenance costs can be a large percentage of net profit when not managed well. Premature engine wear, unscheduled maintenance and down time can cost hundreds of thousands of dollars per year.

In these situations Fuel, Lubrication Oil, Hydraulic Fluid conditioning becomes a significant factor. OEM parts while reliable can cost more than many suitable after market alternatives. That is why this client contacted IFTTS to perform in depth comparative evaluations of filtration efficiency, dirt holding capacity and flow rate for the OEM products verses after market equivalents. This large mining client runs a fleet of approximately 600 pieces of mining equipment and about 380 4-wheel drive light vehicles. Their normal change out period for filters is 250 hours. Most pieces of equipment work on average 400 hours per month. Service intervals for most production equipment are bi-weekly.

Prices of OEM filters vary depending on the type of filter (cartridge, element and spin on canister). The client spent over \$1m last year on filters. They expect to see a savings of 20% using the aftermarket filters tested and found to be equivalent.



IFTTS USES RIGOROUS TEST EQUIPMENT AND VALIDATION PROCESSES RESULTING IN:

- Stability of operating parameters
- Stability of online particle counts

Maybe that's why NIST chose IFTTS as its only supplier of SRM2806 test fluid for the calibration of Automatic Particle Counters.

Independent Laboratory accredited ISO 17025
Over 200 clients World-Wide



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