

FIELD SERVICE DIVISION

OIL & FUEL FILTRATION & FLUSHING SERVICES

Routine Filtration and High Velocity / Hot Oil Flushing Services are an important part of preventive maintenance for all rotational equipment and systems. The damaging effects of particulate contamination have been well documented with regards to premature component wear and failure. One way to ensure optimal system cleanliness is to perform periodic flushing. By circulating hot oil or a flushing fluid through the piping of a system at a very high flow rate, turbulent flow can be achieved, which dislodges particles that would otherwise cling to the walls during laminar flow. These particles are then removed from the piping as the fluid is circulated through a series of high-efficiency filter elements. We have state-of-the-art High Flow Filtration Equipment and experienced technicians to perform a wide array of filtration and flushing services at your jobsite:

Turbine Lube Oil Flashes

We have performed numerous Lube Oil Flashes on both gas turbines and steam turbines by General Electric, Siemens-Westinghouse, Toshiba, Alstom, and others. Utilizing our own 2500 GPM Pumping Skids, 120kW heaters, and large filter housings, we are able to quickly and reliably meet or exceed OEM start-up cleanliness specifications of ISO 16/13/10, and our jobs typically take 4 to 7-days or less per turbine. Main feed and return lines vary in size from 2" to 8", which can all be effectively flushed using our equipment.

EHC System Flashes

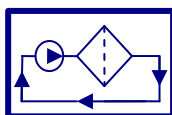
Utilizing special filtration systems designed with viton seals specifically for use on phosphate-ester fluids (like Fyrquel); we regularly perform complete EHC System Flashes at power plants around the country.

Hydraulic Control Panel / Power Unit Flashes

Before delivering Hydraulic Control Panels or Hydraulic Power Units to a customer, manufacturers must first flush their systems with either hydraulic oil or water glycol to remove all particulate contamination

Reservoir Circulation / Cleaning Service –

We can provide filtration equipment and manpower to circulate a reservoir (Lube Oil, Hydraulic Oil, Diesel Fuel, etc); quickly achieving very low particle counts to meet or exceed a customer's cleanliness specification. Services include manual wipe-down of the reservoir with lint-free rags, if desired.

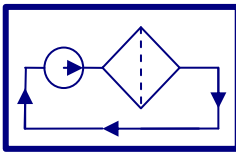


OIL FILTRATION SYSTEMS, INC.

Phone: 830-816-3332

Fax: 830-816-3331

www.oilfiltrationsystems.com



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NOTE: For removal of water contamination, we also have Vacuum Dehydration Oil Purification Systems which can effectively reduce overall water content in various oils to 30 ppm or lower.



We have Portable Fluid Analysis Equipment that we bring onsite to analyze oil samples and to verify the cleanliness level being achieved. Formal reports are generated and certified for every job.



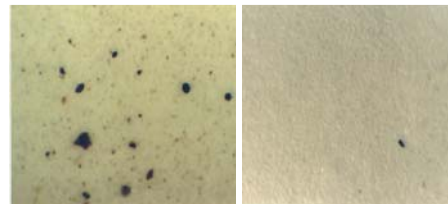
Samples of ISO 68 Hydraulic Oil

LEFT: BEFORE

Water Concentration - 1800 PPM

RIGHT: AFTER

Water Concentration – 24 PPM



Samples of ISO 32 Turbine Oil

LEFT: BEFORE

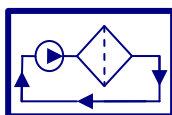
Particulate – ISO 22/20/18 – NAS 10

RIGHT: AFTER

Particulate – ISO 16/13/10 – NAS 4

WE OFFER:

- Fast Response
- Professional Service
- State-of-the-Art Equipment
- Fully Insured Job Performance



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