

OIL FILTRATION SYSTEMS, INC.

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TURBINE LUBE OIL CONDITIONER – COALESCER OIL PURIFICATION SYSTEM

The harmful effects of moisture and particulate contamination in turbine lube oil have been well documented. Oil Filtration Systems, Inc. has combined the latest innovations in coalescer technology and pleated microglass filter media in one system to achieve optimal fluid cleanliness in steam and gas turbines. Utilizing high efficiency coalescer/separator filter elements, these systems are designed to quickly remove large amounts of free water from turbine lube oil, achieving overall water content as low as 150 PPM. At the same time, the high efficiency pleated microglass filter elements are capable of achieving very low particle counts to meet or exceed an ISO 16/13/10 Cleanliness Level.



20 GPM SYSTEM

*** IDEAL FOR USE ON STEAM TURBINES WITH HIGH WATER INGRESSION**

Performance

- Flow Rates Ranging From 5 GPM To 100 GPM
- Rapidly Remove Bulk Free Water From Turbine Lube Oil, Achieving Overall Water Content As Low As 150 PPM
- Meet or Exceed ISO 16/13/10 Cleanliness Level

Standard Features

- Push-Button On-Off Switch with Fully Automatic Water Drain and Sump
- NEMA 4 Electric Control Panel with Variable Frequency Drive (VFD), "Plugged Filter" Indication, and Automatic System Shut-Down
- 5-Micron Pre-Filter & 2.5 Micron Post-Filter Rated Beta>1000 Per ISO 16889
- Upstream/Downstream Oil Sample Ports
- Low Watt-Density Circulation Heater With Digital Temperature Controller



Before & After Samples of ISO 32 Turbine Oil

BEFORE

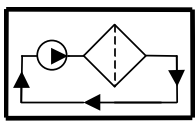
Water Concentration - 1800 PPM

Particulate – ISO 20/19/17

AFTER

Water Concentration – 148 PPM

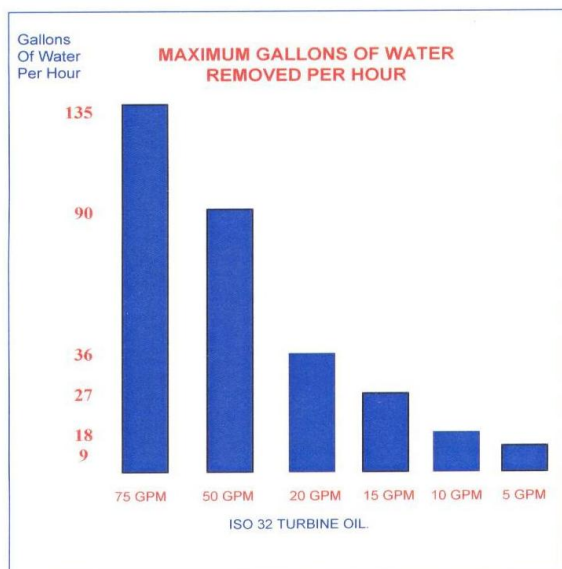
Particulate – ISO 15/13/10





Trailer Mounted Coalescer Oil Purification System

Gallons of water removed from oil per hour using an Oil Filtration System's Coalescer



ADVANTAGES & BENEFITS

- Lower Cost Than Competitive Systems And/Or Centrifuges
- Simple and Reliable Operation Requiring Virtually No Maintenance
- Highest Water Extraction Rates Available In The Industry

OPTIONAL FEATURES AND ACCESSORIES

- Inline Digital Moisture Indicator
- Inline Digital Particle Counter
- Explosion Proof (NEMA 7) For Class 1, Division 2, Class C&D Hazardous Locations
- 304SS Or 316SS Material
- Touchscreen Controls
- Siemens or Allen Bradley PLC
- 480V, 3-Phase or 220V, 1-Phase Electrical
- Coreless Filter Elements
- Skid Mounted For Permanent Installation or Portable Version With Push-Rail and Oversized Casters
- Buna or Viton Seals

System Flow Rates & Model Numbers

- 5 GPM: COPS-5VFD-820X/2-4kW-480-N4-B
Standard Particulate Filters 2 Qty: OFS-820X-3B
- 10 GPM: COPS-10VFD-840X/2-12kW-480-N4-B
Standard Particulate Filters 2 Qty: OFS-820X-3B
- 20 GPM: COPS-20VFD-840X/2-24kW-480-N4-B
Standard Particulate Filters 2 Qty.: OFS-840X-3B
- 30 GPM: COPS-30VFD-840X/2-36kW-480-N4-B
Standard Particulate Filters 2 Qty: OFS-840X-3B
- 50 GPM: COPS-50VFD-2/840X/2-48kW-480-N4-B
Standard Particulate Filters – 4 Qty: OFS-840X-3B
- 75 GPM: COPS-50VFD-3/840X/2-72kW-480-N4-B
Standard Particulate Filters – 6 Qty: OFS-840X-3B
- 100 GPM: COPS-100VFD-3/840X/2-96kW-480-N4-B
Standard Particulate Filters – 6 Qty: OFS-840X-3B

RENTAL UNITS ALSO AVAILABLE!

