VeneFilter
Absolute Filtration

TribcLab
FLUID ANALYSIS AND TRIBOLOGY SERVICES

VENEFILTER SERVICES

Diesel

Fuel filtration for plants, fleets and *tanks.*

Water, particle and sludge removal · Filtration at unloading · Tank recirculation

25+ years
of experience in fluid filtration

β ≥ 1000
absolute filtration, up to 99.98 % efficiency

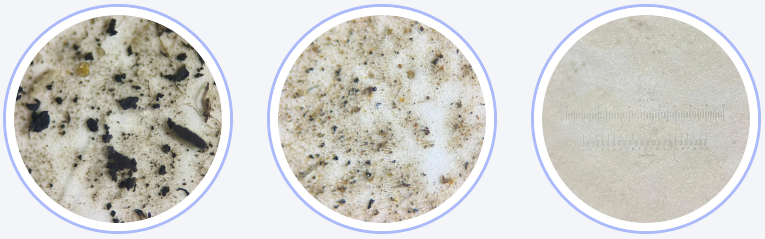
0 shutdowns
we filter while your equipment keeps running

100 %
customer satisfaction

What is in your *diesel?*

Diesel leaves the refinery clean, but it gets contaminated with every haul, transfer and day in storage. Condensation forms ***free water*** at the bottom of the tank, where microorganisms grow and form ***sludge***, while dust and corrosion add abrasive ***particles***.

Modern injection systems run with clearances of just a few microns. Dirty fuel wears injectors and pumps, plugs filters and stops generators, trucks and machinery when they are needed most.



Tank bottom
Sludge and coarse particles

Diesel as received
Fine particles and water

Filtered diesel
Clean membrane

Analysis membranes from real diesel samples

Diesel filtration: *what do we do?*

We remove water, particles and sludge from stored fuel and from fuel delivered by tanker truck. Our units combine pre-filtration, **absolute filtration β ≥ 1000 · up to 99.98 % efficiency** and coalescing water separation to deliver diesel within the ISO 4406 cleanliness levels engine makers require. We work in recirculation, with the tank in service, **without stopping your operation**.

How we work, *step by step*

01 · SAMPLING
We take samples and TRIBO-LABS measures water, sediment and ISO 4406 particle count.

02 · INSPECTION
We check tanks, bottoms and lines to locate free water and sludge.

03 · DRAINING
We remove free water and sediment built up at the bottom.

04 · FILTRATION
We recirculate the diesel through several stages of absolute filtration.

05 · SEPARATION
We separate emulsified water by coalescence and drain it.

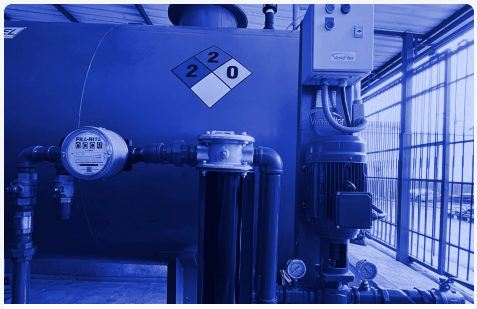
06 · VERIFY
A new analysis confirms the cleanliness level achieved.

On-site service
Mobile units that come to your plant or fleet yard

Fixed skids
Permanent filtration when unloading tanker trucks

Laboratory
TRIBO-LABS analysis before and after the service

Plants, fleets and *tanks*



Plants

Standby and prime power generators, boilers and fire pumps.

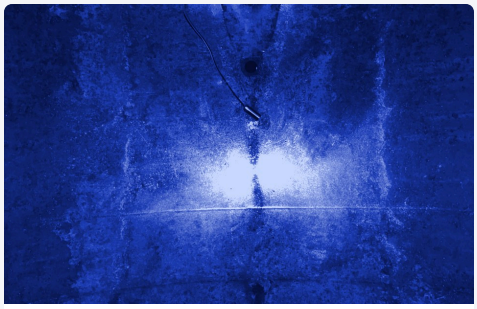
- Diesel ready to start when the grid fails
- Water control in day tanks
- Fewer injection failures



Fleets

Trucks, heavy machinery, mining equipment and vessels.

- Clean fuel at the dispensing point
- Longer-lasting engine filters
- Fewer unplanned stops on the road

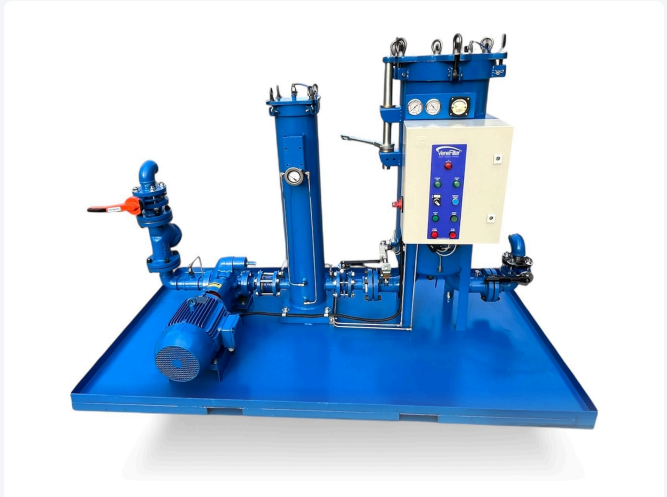


Tanks

Tanker truck receiving, storage tanks and day tanks.

- Filtration during unloading
- Recirculation of stored inventory
- Tank bottoms free of water and sludge

VeneFilter filtration skid



For fixed installations we design skids that filter diesel as it flows from the tanker truck to the tank, or recirculate it continuously.

1. **Inlet strainer** · holds back coarse solids
2. **Gear pump** · transfers from the tanker truck or tank
3. **Pre-filter** · traps particles and sludge
4. **Separator filter** · fine particles and water
5. **Control panel** · water alarm and drain
6. **Containment tray** · prevents spills to the floor

Write to us
sales@venefilter.com

RIF J-30915416-8
www.venefilter.com

Clean diesel, *protected engines*

Injectors and pumps
protected from abrasive wear and corrosion

Engine filters
that last longer and are changed less often

Fewer shutdowns
of generators, trucks and machinery due to fuel problems

Measured results
with laboratory analysis before and after

Analysis with *TRIBO-LABS*

TRIBO-LABS, our fluid analysis laboratory, measures the water content, sediment and ISO 4406 particle count of your fuel. You know how the diesel arrives, how it looks after filtration and when to repeat the service.

www.tribo-labs.com

Brands we *represent*

HY-PRO · Schroeder Industries Advanced Fluid Conditioning Solutions® · Donaldson Filtration Solutions · TriboLab

Request a *diesel analysis* and a filtration proposal.

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