



Filtration Solutions For Wind Energy Turbines

Gearbox Reliability

- ✓ Lube Oil Reservoir Desiccant Breathers
- ✓ Lube Oil Kidney Loop Filter Systems
- ✓ Moisture Conditioning Systems
- ✓ Electrostatic Precipitators for Varnish
- ✓ Fluid Monitoring Instruments
- ✓ Replacement Filter Cartridges

Ventilation

- ✓ HEPA Filters
- ✓ Pleated Filter Panels
- ✓ Disposable Media

Hydraulic Control Fluids

- ✓ Hydraulic Circuit Filters
- ✓ Replacement Cartridges
- ✓ Fluid Sampling Valves



Reduce Bearing Failures

Gearbox failures account for the largest amount of downtime, maintenance, and lost production capacity in windmill turbines from high stress and load variance. Gearbox preventative maintenance on the lube oil reservoir that includes: particulate & water removal, air release, and sludge formation prevention will contribute toward improved gearbox reliability!

Cooling Systems

- ✓ In-Line Simplex & Duplex Filters
- ✓ Replacement Elements

Fleet Maintenance

- ✓ Engine Air Intake Filters
- ✓ Spin-on Lube Canisters
- ✓ Fuel Filters
- ✓ Coolant Filters
- ✓ Cabin Air Filters



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Simplex & Duplex Off-Line Filters



Fluid Sample Valves



Electrostatic Precipitators For Varnish Removal



Reservoir Desiccant Breathers



Portable Filters

HILCO® Filters and Systems are manufactured to the following Codes

ASME (American Society of Mechanical Engineers)

API (American Petroleum Institute)

ISO (International Organization for Standardization)

EN (European Norm)

BS (British Standard)

ANSI (American National Standards Institute)

DNV (Det Norske Veritas)

CRN (Canadian Register of Professional Engineers)

DOSH (Malaysia)

NR-13 (Brazil)

Others:

Special Certifications, Domestic Materials, etc.



Replacement Filter Cartridges



Ventilation Filters For Cooling Air



Portable & Remote Moisture & Humidity Sensors For Oil & Air



Portable & Remote Oil Diagnostic Fluid Condition Monitoring