



VITA VOLT

Electrostatic Fluid Cleaner

Cleans Turbine Oil and Phosphate Ester fluids



MAXIMIZING ASSET LIFE THROUGH TECHNOLOGY

KEEP OILS & PHOSPHATE ESTERS CLEAN

CLEANS BOTH PHOSPHATE ESTERS & OILS

Remove varnish and soot particles from micro-dieseling

Electrostatic oil cleaning is a successful part of advanced varnish and particulate removal and is the only technology that removes soot particles from micro-dieseling. Thousands of users have seen varnish removed from bearings, gears, and hydraulic systems in injection molding, power generation, hydraulics, gearboxes and many other applications.



VITA VOLT BENEFITS

- ◆ Removes soot particles from micro-dieseling
- ◆ Removes varnish-forming particles
- ◆ Compatible with both phosphate ester and oil

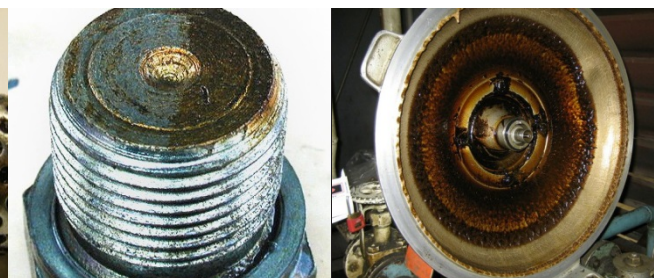
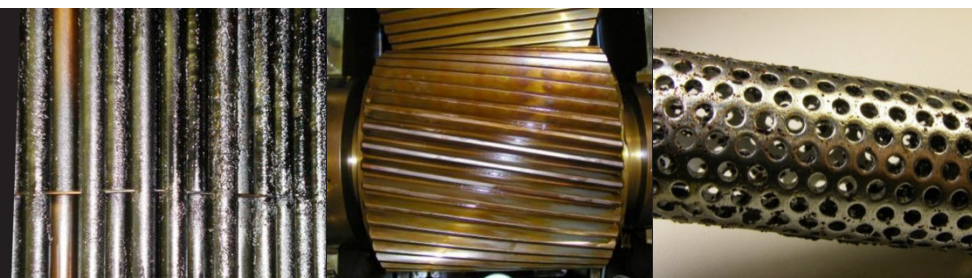
VITA IS VERSITILE

Multi-Purpose

VITA VOLT is a multi-purpose system for both phosphate ester fluid applications and turbine and compressor oils. VITA VOLT is applicable for EHC systems in nuclear, combined-cycle and coal-fired power plants to remove soot particles generated from micro-dieseling. In addition it can be used in these same industries for turbine and compressor oils.



Deposits from micro-dieseling



VITA VOLT | ENDURE IX | STEALTH EHC

FILL-FOR-LIFE

VITA VOLT + Endure IX + Stealth EHC

System cleanliness is restored with no outage requirements. Fluitec provides VITA VOLT to remove micro-dieseling by-products, Endure IX to bring the fluid acidity back to ideal conditions, and Stealth EHC to remove existing moisture and prevent any further water contamination.



VITA VOLT

HOW IT WORKS

Using high voltage parameters and fluid flow rates, VITA VOLT units remove hard particles down to nanometer sized soot particles from most non-detergent fluids. Specifically engineered for faster removal of micro-dieseling by-products than competing units, VITA VOLT's collector elements maximize high voltage electrophoresis and di-electrophoresis more efficiently than any other collector element on the market.

Endure IX

Fluitec provides the optimum blend of media to target specific contaminants. There are media that specifically remove stronger acids, ones that remove weak acids (phenolic alcohols and varnish-forming molecules) and media that remove dissolved metals from the fluid. As the fluid makes contact with the blended Endure IX media, the process of physisorption removes the contaminants.



Acid levels lowered, resistivity increased, metals and varnish molecules removed

Stealth™ EHC

Our StealthEHC system blankets your reservoir headspace with our super-dry clean air. A low pressure air purge in the headspace accomplishes two important tasks simultaneously: It extracts moisture from the fluid while excluding other contaminants from getting in the system. The result is exceptionally clean, dry oil. The system is inexpensive to install, has no moving parts or electrical connections, and requires no maintenance. Quite simply, Stealth EHC is the highest value contamination control technology you will install at your plant.



Stealth EHC

VITA VOLT SPECIFICATIONS

Technical Specifications

Electrostatic	15kVDC	Seals	Viton
Motor HP	3/4	Tubing	Stainless Steel
Volts	115-230	Operating Temp	32° - 122°F
Phase	1	Oil Temp Max Available	180°F
Hertz	60	Compliance / Standards	CE (all) Class 1 Div II Haz Environment
Amperage	12-6	Dimensions (L x H x W)	34" x 55" x 22" (86cm x 140cm x 56cm)
Flow Rate	5 GPM (19 LPM)	Weight	375 lbs (170kg)

VITA VOLT Unit Details



- ◆ Deep, liquid-tight drip pan
- ◆ Heavy welded frames and vessels
- ◆ 316 stainless steel plumbing
- ◆ Top quality pumps and TEFC motors
- ◆ Industrial standard wiring and power controls
- ◆ Redundant HV power supplies
- ◆ Industrial PLC and full color touch screen controls

