



## **Turbine Oil Purification Systems**

Studies by Electric Power Research Institute have concluded that over half of the forced outage hours related to bearings, journals and lube oil systems were due to contaminated oil. The contamination comes in the form of free, emulsified and dissolved water and also particulate matter.

Since it is often difficult if not impossible to prevent water from entering the lubrication system, it is extremely important remove it from the oil before it causes permanent damage. Filtervac offers two(2) types of oil purifiers that remove both water and particles to provide a Total Turbine Oil Purification System.



### **Coalescer/Separator Purification System**

*Filtervac* also offers Coalescer/Separator purifiers that are able to remove free and emulsified water from turbine oil as well as particle contamination. High quality of oil cleanliness is achieved by the use of a series of coalescers, separators and high quality particulate filters.

These systems are self-contained, skid mounted, and offer a P.L.C. controlled full status control panel for fully automatic operation. These systems come as either a dedicated stationary system or as a portable system for plant wide use with flow rates up to 100 GPM.



### **Model VPL Vacuum Oil Purifier**

*Filtervac* Vacuum Oil Purifiers (Model VPL) utilize a vacuum dehydration process to remove free, emulsified and dissolved water from turbine oil as well as fine particulate and gasses. These systems are self-contained, skid mounted and offer a P.L.C. controlled full status control panel for fully automatic operation.

These systems come as either a dedicated stationary system or as a portable system for plant wide use with flow rates up to 1200 GPH.