

TURBINE OIL ANALYSIS

Turbines Oils are used extensively in the power generation industry. Turbines are the life blood of the operation. So any unexpected downtime in a turbine will result in huge maintenance costs and loss of power. Techenomics turbine oil analysis packages are designed to identify the core functions of the oil and to monitor the operating conditions; this will enable you to schedule proactive maintenance procedures and carry out meaningful programs to protect the systems.

Turbine oils need to be free of water and contaminants, have the thermal ability to withstand high operating temperatures, ability to combat the by-products associated to oxidation and acid build-up and most importantly, lubricate the necessary internal components whilst having the capability to resist against shear stress. Techenomics laboratories are able to provide in-depth analysis of lubricant properties, wear and contamination affecting turbine performance and suitability of oil life.

Turbine Test Package

TESTS	METHOD
Viscosity	ASTM D445
Wear metals ,Contaminants & Additives (Pb,Fe,Cr,Al,Ni,Cu,Sn,Si,Na,B,Mg,Ca,P,Zn)	ASTM D6595
Oxidation,Sulphation,Nitration,Glycol	ASTM D7418 / ASTM E 2412
Moisture By KF	ASTM D6304
Hydraulic Cleanliness	ISO 4406
TBN/TAN	ASTM 2896/974

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Blue Oceans Software



Techenomics specialises in providing oil analysis services, and specialty lubricants to the mining industry.



By implementing a regular magnetic plug inspection program you will have a very low cost, effective and immediate early warning condition monitoring tool.



Techenomics filtration services can assist companies with the design and installation of a range of fuel and oil filtration solutions.