

Machinery Lubrication Oil Analysis

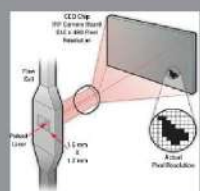
Get your machinery lubrication oil analyzed to significantly increase performance and reliability

- Comprehensive machinery lubrication oil analysis.
- Corporate technical support to offer expert advice and troubleshooting.
- ICML certified lubrication consultant to visit on a regular basis.
- Complete reliable range of Oil testing equipment's.
- Training and certification of Machinery Lubrication Analyst from ICML USA.
- Complete Testing of Insulating Oil (Transformer Oil) and other Oils Testing.

Lubricant condition analysis
 Chemical and physical property changes including lubricant degradation and additive depletion.



Contamination Analysis
 Quantitative and qualitative analysis of substance for system. (Oil Cleanliness/Water)



Machine Condition Wear Debris Analysis.
 Determining the condition of machinery through the examination of the particles generated by wear process.



State-of-the-Art Technologies



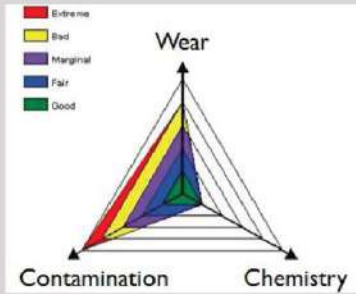
LUBRICATION AUDIT SCOPE

Lubrication audit verify unreliable equipment that may be due to poor lubrication program.

Audit will compare current lubrication practices against “best practices” and document the results and recommendations to assist.

All practices from storage, through dispensing and handling to actual machine application, Looking at contamination control practices, Staff awareness and attitudes to lubrication, Oil analysis practices such as sampling, testing and action on feedback.

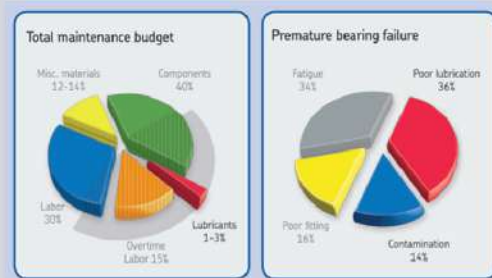
Maintenance expenditure on lubrication, Any immediate and longer-term opportunities for improvement.



Tests	Engine	Hydraulic	Turbine	Comp	Gear
Elemental Analysis	✓	✓	✓	✓	✓
Particle Counting		✓	✓	✓	✓
Viscosity @ 40	✓		✓	✓	✓
Viscosity @ 100	✓	✓	✓	✓	✓
Viscosity Index	✓	✓	✓	✓	✓
Water/Moisture	✓	✓	✓	✓	✓
Color	✓	✓	✓	✓	✓
Appearance	✓	✓	✓	✓	✓
Pour Point	✓	✓	✓	✓	✓
Flash Point	✓	✓	✓	✓	✓
Oxidation	✓	✓	✓	✓	✓
RPVOT			✓		
TAN		✓	✓	✓	✓
Density @ 29.4	✓	✓	✓	✓	✓
Foaming Tendency		✓	✓	✓	✓
TBN	✓				
Alien fluid	✓	✓			
Nitration	✓				
Sulfation	✓				
Soot	✓				
Glycol	✓				
Rust Prevention		✓	✓	✓	✓
Copper Corrosion		✓	✓	✓	✓
Varnish potential			✓		
Ruler Test			✓		

Commercial Benefit:

Lubricants account for less than 1% of the maintenance budget Yet they can impact more than 40% of the maintenance budget.



Office No : 8 Building No : 6 china building,
Street No : 09 Musaffah 44 Abu Dhabi-UAE
PO box 133297



+971 2 5564669
+971-566078127