

Machinery Oil Analysis & Condition **Monitoring**

A Practical Guide to Sampling and Analyzing Oil to Improve Equipment Reliability

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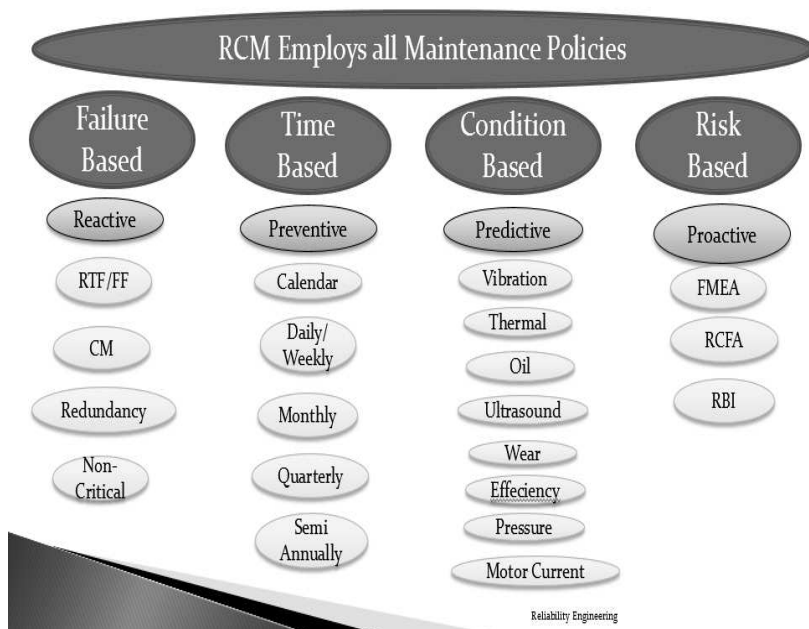
Chapter 1

Introduction to Maintenance

Reliability centered maintenance promotes the use of Predictive and Risk Maintenance policies for identified critical equipment.

Maintenance Policies and Strategies

Maintenance Policies



Predictive Maintenance Techniques
Predictive Maintenance Embraced by Plant Maintenance

Technique	Application	Pumps	Electric Motors	Diesel Generators	Condensers	Heavy Equipment/ Crane	Circuit Breakers	Valves	Heat Exchangers	Electrical Systems	Transformers	Tank Piping
VIB Analysis		•	•	•		•						
Oil Analysis		•	•	•		•					•	
Wear Analysis		•	•	•		•						
IR Analysis		•	•	•	•	•	•	•	•	•	•	
Ultrasound		•	•	•	•		•	•	•	•	•	
Non-Destructive testing (Thickness)					•			•			•	
Visual Inspection		•	•	•	•	•	•	•	•	•	•	•
Motor Current Analysis			•									

