Donaldson
HY-PRO™

Extending Fluid Life

Reducing Anti-Oxidant Depletion

RULER (Remaining Useful Life Evaluation Routine) is used to quantify and trend remaining levels of Phenol and Amine anti-oxidant (AO) levels which is one of the factors considered in determining useful oil life. Once phenol AO levels drop below 20% of new, the rate of sludge and deposit formation can potentially increase and the oil may be condemned.

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SVR™ The Case for Prevention

As long as the elements are maintained, this turbine lube oil system will not have problems with varnish deposit formation and this new group II fluid has the potential to greatly exceed useful life expectations with high anti-oxidant additive levels. In addition to reducing AO additive depletion the SVR enables oil below 20% remaining phenols to stay in service.

Figure 1

Ruler Test (Example)						
Date		7/22/2009	4/15/2009	1/6/2009	8/29/2008	6/1/2008
Lab No	Refer-ence					
RUL %	>25%	92.3	86.7	91.2	96.7	91.3
Amines		94.7	100	98.2	98.0	
Phenols		92.1	94.3	94.7	93.9