Stop waiting for varnish to build up downtime

Many of today's reliability engineers consider varnish to simply be a way of life: a problem that builds up over time, that can only be cost-effectively addressed after oil conditions change or equipment problems occur.



However, as we look more closely, a new problem begins to emerge: assumptions about varnish-related issues might be costing engineers more than they realize in the long run.

Varnish isn't always considered a top priority

Reliability engineers already face multiple challenges every day that are competing for their immediate attention and efforts.



Manpower reduction



Budget cuts



Regulatory changes



Equipment availability



Varnish is an issue that leads to other problems

The downside of avoiding the varnish issue in favor of other priorities is that it leads to:

- Valve stiction
- Reduced oil cooler performance
- Failure to start
- Trip event

A reactive solution isn't as cost-effective as you think

A failure to start or trip event that results from unaddressed varnish buildup can impact a plant's bottom line in 2 major ways: lost revenue and possible penalties.



Note: All values are in USD

The estimated ongoing maintenance costs to combat varnish build up:

\$40,000 per turbine, per year



You need to get ahead of the problem

Varnish-related issues can arise quickly, and when they do, the extra costs associated with fixing them have a similar trajectory. More than ever, reliability engineers need to recognize varnish as a problem that can only be solved cost-effectively *before* it becomes one. And that means finding a **proactive solution** to the problem—one that starts with careful system preparation for a properly chosen turbine oil that can help prevent varnish from forming in the first place.



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