ANALYSTS, INC.

ISO 17025 ACCREDITED LABS
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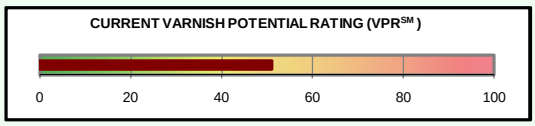
COMP REF #

STATUS FOR: 901999 WAS ABNORMAL ON 09/23/08

QSA℠ QUANTITATIVE SPECTROPHOTOMETRIC ANALYSIS

ANALYSTS, INC.
FIELD SERVICE EXAMPLE REPORT
INDUSTRIAL APPLICATIONS
0



UNIT ID	COMPONENT ID	COMPONENT REF NO	OIL TYPE
UNIT 1 GAS TURBINE	TURBINE	901999	NALUBE ISO 32
SAMPLE NUMBER	ANALYST	SAMPLE DATE	REPORT DATE
9999		09/23/08	10/6/08

INTERPRETATION OF CURRENT DATA

The varnish potential of the lubricant is ABNORMAL. This means that there is an increased level of soft contaminants due to oil degradation. These soft contaminants will form varnish in tight clearance zones or cooler spots in the system. The oil may also cause servo valves to stick or seize causing a unit trip, especially after a shut-down and the unit is being brought back online. Inspect filters and reservoir (when possible) for signs of varnish formation and bearings for temperature increases. Pay particular attention to "last chance" filters and pencil strainers before the hydraulic circuit's valve blocks. Investigate electrostatic separation, balance charged precipitation and cellulose adsorption filtration as potential technologies to lower the soft contaminant and varnish potential. Recommend re-sampling in one month. Please refer to the routine report for additional data and recommendations.

The QSA Varnish Potential Rating describes the used lubricant's propensity to produce harmful deposits. Ratings and sample severity are assigned based on the level of varnish-producing contaminants present in the lubricant sample.

QView

RESULT	DESCRIPTION
51	VARNISH POTENTIAL RATING (VPR℠)
124	FILTER WEIGHT (mg/L)

HISTORICAL VPR℠