

ICB® RO Case Study

BACKGROUND

Application: Pipeline Compressor Station

Location: AB, Canada

Site: Rolls Royce/Cooper Power Turbine

PROBLEM

A Compressor Station's Power Turbine was found to be running hot. Oil analysis revealed that the turbine's oil had a high MPC varnish potential. The presence of varnish and other oil breakdown products was identified as a contributor to the system's poor performance.

SOLUTION

An SVR® Lubricant Conditioning skid employing ICB® RO filters was installed on the station's power turbine.

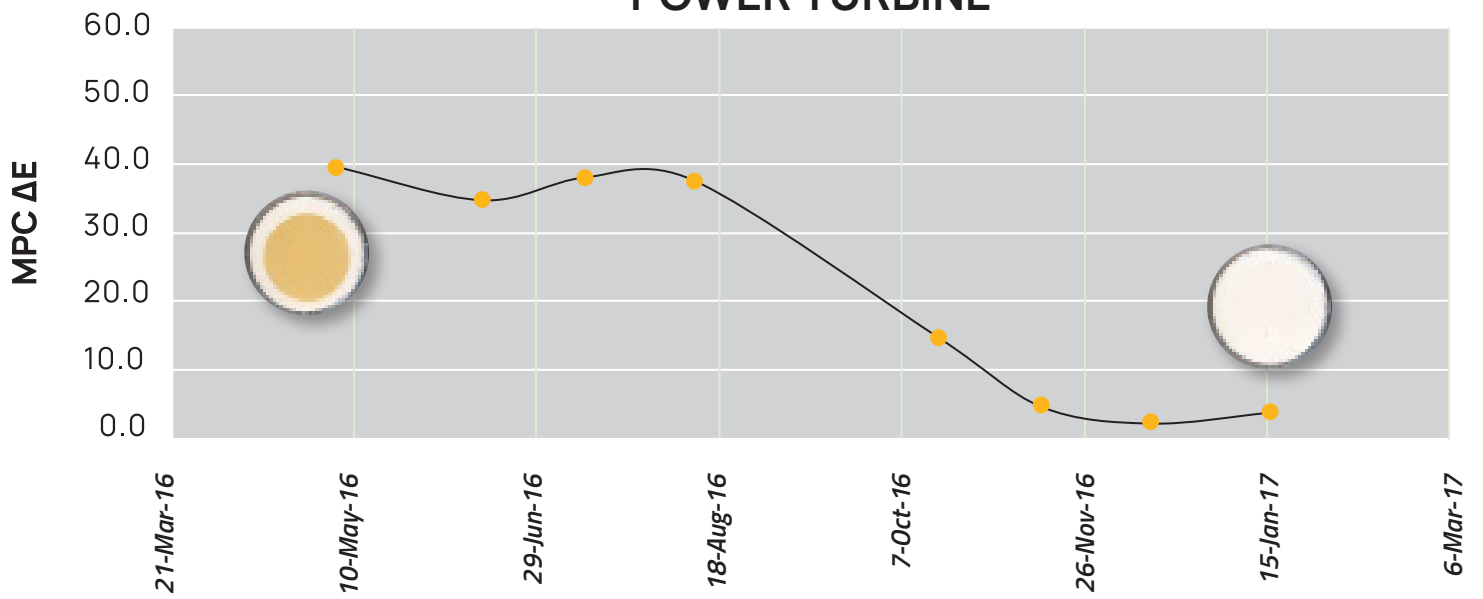
RESULTS

The installed SVR Skid complete with ICB® RO filters effectively removed varnish and its soluble precursors from the site's power turbine, improving its MPC varnish potential by 94%. Once the varnish was removed, continued oil conditioning prevented varnish from accumulating again.

Since the SVR complete with ICB RO filters was installed, the Power Turbine has operated reliably within an acceptable temperature range.



POWER TURBINE



EPT
CLEAN OIL

LUBRICANT CHEMISTRY MANAGEMENT