

ICB® RO Case Study



BACKGROUND

Application: Compressor Driver (Gas Plant)

Location: AB, Canada

Site: 11 MW Solar Mars Gas Turbine

PROBLEM

Based on varnish-related failures and issues at other sites, gas plant operators elected to install an SVR® Lubricant Conditioning skid with ICB® RO filters during their Compressor Driver's commissioning process.

SOLUTION

An SVR Lubricant Conditioning skid employing ICB RO filters was installed from the Compressor Driver's first day of operation.

RESULTS

For more than a decade of baseload operation, the Plant's SVR/ICB RO filters have effectively removed varnish and its soluble precursors. These oil breakdown products form as a normal function of service. Typically, they accumulate until they cause high MPC varnish potentials and reliability issues. By conditioning their oil with SVR/ICB RO Filters, this Gas Plant has been able to maintain a near-zero MPC varnish potential and their Compressor Driver has not experienced a single oil-related failure or issue during its lifetime.



COMPRESSOR DRIVER (GAS PLANT)

