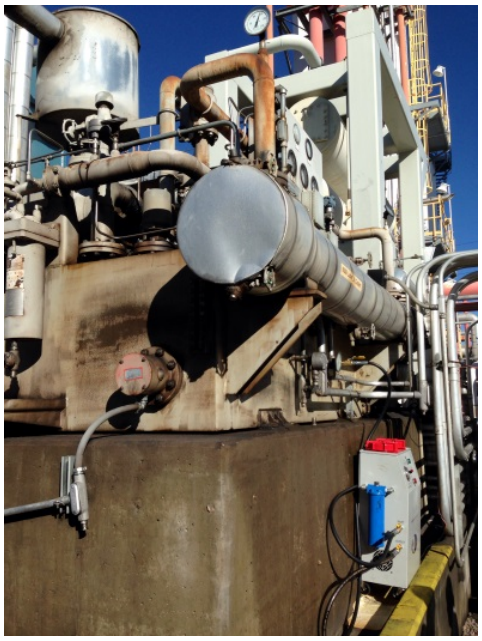
CASE STUDY

# ESP + BOOST VR: VARNISH IN GAS COMPRESSORS

## THE PROBLEM

A nitrogen gas compressor experienced high varnish levels and elevated bearing temperatures.
The customer couldn't afford to take the the machine off-line though the bearing temperatures threatened operations.

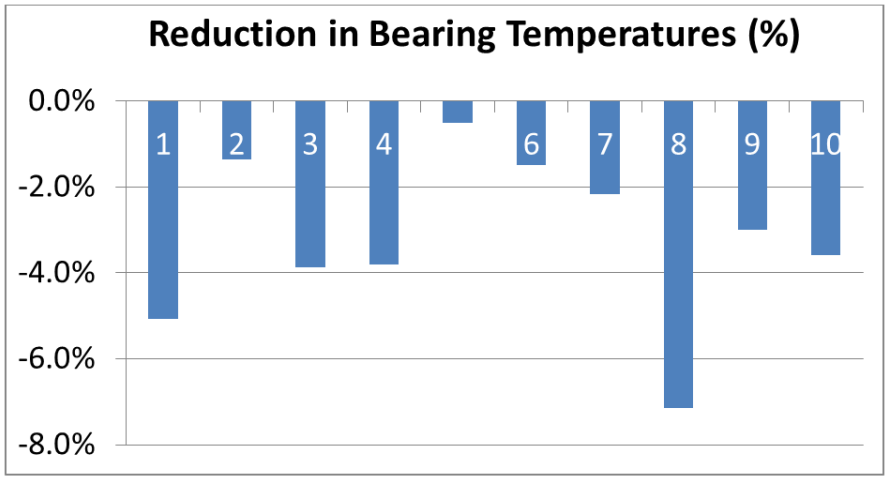


## THE SOLUTION

An ESP unit with Boost VR was installed. After four months, MPC values were restored to normal levels.

## Summary

The oil's varnish is now maintained at a low level. The bearing temperatures have also decreased to a safe operational range. These improvements were accomplished without an outage. However the oil's oxidants were depleted and it will be changed at the next opportunity.




## COST SAVINGS

By eliminating the compressor's offline time, the plant estimates a savings of over $850,000 since the installation of ESP with Boost VR.

If you are planning an oil change, contact us to discuss Boost VR + ESP to clean your system of varnish.