

# Finding the Optimal Lubrication Rate for Your Compressor



## How to determine the best rate for your compressor:

For over a decade, CPI, part of the Howden group, has relied on our vast experience in material development, lubrication delivery systems, and field service expertise to develop proprietary lubrication rate calculation software. It has been successful in reducing customers' oil consumption, saving them money and reducing problems associated with over-lubrication.

While CPI's rates are a recommendation based on our experience and proven results, the customer should always have the final say in setting the lubrication rates. CPI helps by recommending the following process:

- Start with the OEM rate as a baseline
- Reduce the lubrication rate by 10-15% and inspect the compressor after 30-60 days
- If, after 30-60, days the compressor is running fine with no signs of increased wear or lack of lubrication, a second rate reduction can be done with a follow-up inspection thereafter
- Continue to reduce the lubrication rate and inspect until you reach the recommended CPI rate, or to where your machine begins to show any detectable wear (in which case, increase the lubrication slightly)

NOTE: It is not uncommon to start somewhere in the middle of the OEM rate and CPI rate.

As CPI has been speaking to customers and the industry regarding reduced lubrication rates for many years, the industry is starting to respond. Several other studies have been done, including one from a major OEM, that are confirming it is possible to lower lubrication rates by as much as 50% in many applications.

Contact your CPI representative to learn about our process in detail and see if we can help you optimize your lubrication system for your compressors.



CPI lubrication pumps model P55 with sight glass



Lubrication system featuring the Proflo® EOS self adjusting lubrication pump