

Collects basic compressor data then uses Artificial Intelligence and Data Analytics to create KPI's that identify problems such as bad valve location



Gas compressors are about the only oilfield devices that don't have operating data captured by SCADA. Why be satisfied with only knowing the compressor is running when Encline can provide over 100 critical data points for easy operator SCADA collection?

In addition to normal compressor temperature and pressure information, Encline collects temperatures on the inlet of each compression stage and the final skid discharge temperature. Using *Artificial Intelligence* and robust *Data Analytics*, this edge computing device calculates KPI's that identify problem compressor valves by stage, whether suction or discharge. Rules-based decision making is used to provide alarms such as hung-open scrubber dumps and improperly performing suction pressure controllers.

Operator SCADA personnel will appreciate that every compressor connected to the Encline Gas Compressor Expert will have an identical MODBUS register map.

- Low-cost hardware runs off compressor power. WiFi connectivity makes installation easy
- Compatible with Murphy Centurion® compressor control systems
- No modification to Murphy Centurion® needed, just connection to its RS485 port

CONTROL OPTIONS

Automate blowdown to gas sales instead of manually to atmosphere

KEEP GAS TOASTY

Provides speed signal to fan motor VFD to make compressor operations better

LOCAL HMI

Provides graphs of key KPI's and other compressor data

IoT ENABLED

Internet of Things device that hosts a webpage

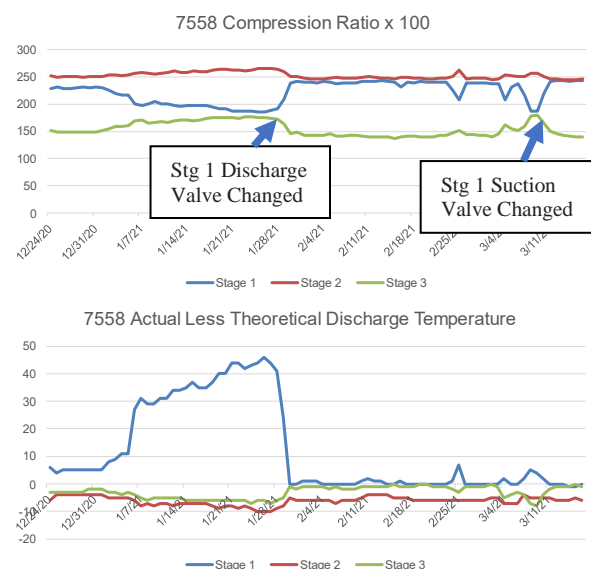
For more information on Gas Compressor Expert please visit us on the Web at: www.enclinelift.com

Additional Encline Sensors

Counting scrubber dumps can aid in setting cooler louver positions as excessive scrubber cycling can be alarmed. Counting the dump duration identifies hung scrubber dump valves and creates a local alarm. Pressure switches measuring the supply gas pressure and the compressor packing case pressure are helpful in sensing other compressor problems including leaking packing cases. These and other compressor problems are relayed through the operator's SCADA system to their personnel.

Smartphone monitoring

- Monitor realtime information on compressor temps and pressures
- Check for problems flagged by data analytics
- Change setpoints for gas temperature control



ENCLINE PROVIDES:

- Initial device configuration assistance
- Operator self-installation training
- Technical Support
- Field staff training
- Engineering and tech training on data application