

The TopWorx™ GO™ Switch Enables Real-Time Monitoring of Compressor Skid's Lubricator Block

RESULTS

- Offered customized solution with hazardous location, vibration, and pressure ratings
- Eliminated potential for stiction
- Enabled continuous monitoring of lubricator block's performance



APPLICATION

Lubricating Equipment

CHALLENGE

To prevent compressor engine damage, a consultant designed a lubricator block for an oil and gas equipment company's natural gas compressor skids. A limit switch was needed on the lubricator block to monitor its operation. The consultant wanted a customized limit switch with Class 1 Division 2 certification, 3,500 psi rating, and dry contacts. The limit switch had to fit perfectly in the new lubricator block design, resist vibration, and provide highly reliable operation in harsh environments. The product also needed the consultant's branding etched on the body.

SOLUTION

The consultant turned to Emerson for help in exploring a solution. Emerson's technical support team supported the customer with specification assistance and product selection. The team recommended a custom TopWorx™ GO Switch Model 95LX limit switch for the consultant's application. The ultra-reliable GO Switch had the required hazardous location certification and pressure and vibration ratings. Its compact footprint fits easily in the lubricator block's design. The product was customized with the consultant's brand etched into the limit switch's stainless-steel body. alignment couplers, Numatics Flow Controls, KTM K-Ball valves and Stainless-Steel electrical enclosure.

Compared to manual indication technology, the Emerson solution incorporated an electronic interface that provided feedback to the end user's control system for continuous real-time lubricator block monitoring.

3300 Fern Valley Road
Louisville, Kentucky 40213 USA
+1 502 969 8000
info.TopWorx@Emerson.com

The Emerson logo is a trademark and service mark of Emerson Electric Co.
The TopWorx trademark is registered in the U.S and other countries.
© 2020 Emerson Electric Co.

TOPWORX™

For more information:
www.Emerson.com/TOPWORX

WLN1036
Nate Wylie


EMERSON™