

Oil flushing service provider raises the bar at Shell's Perdido

COT-PURITECH

Whether triggered by new equipment installation, sudden catastrophic failure, or gradual contamination buildup, high velocity oil flushing is critical to equipment reliability. This is especially true for large, complex equipment like steam or gas turbines, compressors and stationary engines. When such an event occurs, you may need to flush your entire lube system to meet specified cleanliness levels.

Fortunately, the flushing experts at Canton, Ohio-based COT-PURITECH can help. The company offers high velocity oil flushing of lubricant systems following its own recommendations or recommendations from your OEM or lubricant supplier.

COT-PURITECH's high velocity oil flushing service includes a detailed flush plan and the setting up of equipment needed to perform a complete flush. The team at COT-PURITECH then documents the test results and offers a complete service summary report.

This process delivers numerous benefits, including:

- Revenue improvement through reductions in unscheduled downtime and increases in product quality.
- Reduction in component and lubricant-related expenses.
- Increased availability of manpower due to lower maintenance repair.
- Improved equipment reliability and more effective maintenance control.

COT-PURITECH's oil flushing services can be performed on new turbine installations, turbo-compressors, new and rebuilt hydraulic system installations, equipment shut down during outages and turnarounds, natural gas engines, two-cycle reciprocating gas engines, heat transfer systems and paper machine bearings and supply/return headers.

COT-PURITECH recently performed a major lubrication system oil flushing project for new

turbines at Shell's Perdido spar in the Gulf of Mexico. Moored in approximately 2,380 meters of water, Perdido is the world's deepest direct vertical spar and is expected to be completed by the end of this year. COT-PURITECH performed a pre-commissioning high velocity oil flushing service on six Solar Taurus 60 turbines and two Solar Titan 130 turbines over a period of 20 days. According to Lance Medlin, project commissioning manager/superintendent for Shell, COT-PURITECH raised the bar by performing high-quality work well ahead of schedule.

"They finished each Solar turbine in two and a half days, even though it was estimated to be a seven-day job for each turbine," Medlin said. "The standard for cleanliness was a NAS 6, and they finished in two and a half days with a NAS 2. It was a lesson learned that this could even be done. I had never seen it done before, and I've got a lot of experience in this."

Medlin also commended COT-PURITECH for its low-working footprint.

"COT-PURITECH came in with a purpose-built skid that has a very small footprint, and it performs the work in a third of the time that anyone else can do it," Medlin said. "After that, they hand in documentation that is unmatched."

All told, COT-PURITECH performed 16 different procedures for 16 different systems over a period of more than a year. In addition to lubricant flushing for the turbines, it performed similar work for Shell's shipping pumps, water injection pumps and vapor recovery units, among others. Medlin gives the company high marks in every phase.

"I'm a huge advocate for COT-PURITECH," Medlin said. "They have A-plus equipment and A-plus personnel. Their equipment is purpose built and extremely reliable. The team's dedication to the project was outstanding. At one point, we had a shift in our schedule where we moved things up for two days, and no one could come to do the job, but their national operations manager in Ohio came to run the job himself. He actually dragged and hooked up hoses and ran equipment himself. That's project dedication that you just don't get."

COT-PURITECH also provides on site oil reclamation services, including hydraulic oil and gear oil collected from industrial equipment leakage, quench oil and water glycol reclamation, and emergency water and particulate removal. Its in-plant services include oil system preventative maintenance, varnish removal flushing, contamination control investigation and initial fill filtration. The company also offers rental of vacuum dehydration equipment, flush equipment, portable filtration equipment, portable laser particle counters and various other types of equipment. COT-PURITECH operates out of five service centers throughout the United States and Canada.

For more information, please visit www.cot-puritech.com or call (888) 478-6996. □



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