

Lubricant purification study

Overview

Improving your fleet's equipment lubricant purification systems can increase your vessel's reliability and decrease its maintenance costs. ExxonMobil engineers will work with you to identify ways to do this, and provide recommendations with input from leading equipment manufacturers as necessary.

Our engineers have the experience to help. Listed below are some of the skills and resources they offer.

Description

- Work with you to determine potential areas of opportunities with lubricant purification systems
- Evaluate lubricant cleanliness of the equipment and compare against industry/OEM (Original Equipment Manufacturer) standards as well as correlate cleanliness to profit improvement opportunities
- Have access to OEM requirements and expertise to help solve potential lubricant purification issues
- Based on thorough cooperative study, make recommendations that will lower vessel's Total Cost of Ownership of lubrication and equipment reliability

Application

- Collect and understand the baseline lubrication cleanliness and maintenance conditions
- Assist the customer in setting up the appropriate onboard and/laboratory sampling program to facilitate the equipment lubricant cleanliness
- Provide oil analysis interpretation and lubricant cleanliness recommendations to help customer achieve equipment reliability and cost goals
- Inspect equipment for areas of opportunity to optimize lubricant cleanliness
- Supply recommendations on how you can economically achieve the desired lubricant cleanliness levels



Courtesy of Alfa Laval

Improving your fleet's equipment lubricant purification systems may result in better equipment reliability and lower maintenance costs.

- Consult with equipment manufacturers as necessary on our recommendations
- Validate recommendations/findings with the customer to ensure accuracy and effectiveness

Deliverables

- A complete documented study of the vessel's lubrication cleanliness of areas of concern including baseline data, engineering recommendations, equipment inspection results, and savings calculation correlating to each engineering recommendation
- Register customer's engines and vessels in the Signum Oil Analysis program (a fee-based service) as needed
- Provide basic training as needed to customer's crew in oil analysis and sampling procedures

Potential Benefits

- Enhance vessel equipment reliability
- Reduce vessel equipment maintenance costs