



# Mimic fluid monitoring

## Challenge

Lube oil is an essential element for operating machinery on-board a vessel. The quality and condition of lube oil is crucial as it can help determine machinery lifespan. That is why examination and reporting is a fundamental activity of vessel maintenance programmes, to help minimise wear and damage, and ensure consistent operation and vessel reliability.

Incorrect maintenance and repair continue to be one of the most frequent causes of main engine damage on vessels and the essential step to a good, ongoing lubrication program is oil analysis. Inaction or human error when reporting could result in catastrophic failure and potentially vessel downtime, which can be frustrating and costly.

## Solution

Mimic fluid monitoring system with lube oil technology automatically imports instant lube oil health checks for all assets on-board. It allows users to instantly see the status of the lubricating oil and alerts to any immediate or impending issues, such as contamination or degradation, so that action can be taken. The technology can assess each individual element within the oil, such as Iron, Copper and Calcium to give a comprehensive overview.

The system imports data from spectrographic oil analysis programmes and is automatically displayed using a traffic light system within the fluid monitoring dashboard. Inbuilt graphics provide instant results, but also allow findings to be tracked over time, providing the basis for predictive trending to aid future maintenance planning.

## Results

- Early issue identification on major machinery
- Simple, actionable insights into asset health
- Ability to compare multiple data sets against fluid condition
- Reduced asset downtime
- Reduced operational expenditure

