



TECHENOMICS
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Press Release

Effective oil analysis vital in reducing emissions, says Techenomics

Analysing lubricants a key component of maintenance programs

Oil analysis plays a major part in ensuring oil and lubricants meet increasingly stringent requirements for fewer emissions as the world strives for a cleaner, greener and more sustainable future.

As a specialised, independent provider of total fluid management services, Techenomics plays a role in this process because oil analysis is its bread and butter.



CHRIS ADSETT
CEO OF TECHENOMICS

Its CEO Chris Adsett said oil analysis was the foundation of the business. “It is always at the forefront of our business, everything we do is centred on oil analysis.

“And we are always striving to improve our sampling, testing, interpretation and delivery of results to clients pushing to enhance production and save costs while being pressured to reduce emissions,” he said.



In order to meet stringent requirements, operators of engines and mechanical equipment require more precise engine tolerances while not compromising on horsepower or extended mileage on fuel and oil.

The necessity for tolerances has placed enormous pressure on producing cleaner fuels and oils. “Lubricant manufacturers have to ensure their products reach and meet a cleanliness standard, and this can only be done using oil analysis,” Adsett explained.

An effective oil analysis program needs to be in place from the outset, before any equipment is released for commercial sale.

Base line limits need to be established for each piece of equipment released for production. This is done by having scheduled samples taken and having data sent back to manufacturers for analysis trending. After enough data has been received and a mathematical trend can be established, this is then released as the ‘OEM Limits’ for that equipment.

The analysis and trending program needs to be continued during use to ensure operators receive maximum ongoing benefit from the equipment.

This process is where Techenomics plays a vital role with its 30-plus years of experience in the field, its expert, fully trained staff using state-of-the-art equipment in accredited laboratories, its proven online Blue Oceans distribution system for data, and its independence, which ensures it is always working in the best interests of equipment users.

“One thing is certain,” Adsett said, “oil analysis will find faults within the oil, whether it be wear, contamination, additive breakdown, acid or carbon build-up, viscosity or TBN loss.

“These are fundamental elements that need to be monitored constantly, and they will need to be addressed whenever a change indicates a potential breakdown or failure of the lubricant or an internal component.

“A well-established proactive and preventative maintenance program can save you thousands on the bottom line and oil analysis is a necessary component.

“By being proactive and ensuring that your lubricants and fuels are clean and fall within the standards, your components will last longer, reduce fuel and lubricant consumption, and overall, live a longer healthier life,” he added.

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