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Press Release

Make your maintenance more sustainable
Fluid management an important optimisation tool

At a time when optimising mining and industrial operations to get the best possible performance has never been more important, it is vital that maintenance is not left out of the equation. Making maintenance solutions more sustainable can add greatly to the bottom line of any operation.



Techenomics, an independent provider of fluid management and condition monitoring services to the mining, oil & gas, transport, marine and energy sectors, says optimising maintenance enables operators to get more out of their engines and equipment. This in turn leads to reduced downtime, less expense on repairs and increased productivity.

With many companies trying to get the best out of their existing equipment and fleets while putting off the expense of purchasing new items, Techenomics' CEO Chris Adsett says it makes a lot of sense to make the best possible use of maintenance.

He says maintenance can be optimised by utilising the total fluid management services provided by Techenomics, which include oil sampling and analysis as well as other complementary services to ensure oil and lubricants perform better for longer.

"The oil analysis provided by Techenomics' expert staff through our network of accredited laboratories using state of the art equipment provides a window into the hidden workings of engines and hydraulic equipment.

"Analysis of the lubricants enables us to check the health of the internal components without unnecessary and costly downtime. Techenomics predicts maintenance issues before they arise, leaving engines and equipment doing what they should be doing for longer."



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Chris Adsett says maintenance is often the forgotten cousin when it comes to optimisation options but it should play an important role in this process as significant savings can be achieved with the added extra of greater productivity.

“Rather than maintenance being onerous, oil analysis makes it much simpler and more effective, especially when combined with Techenomics’ other fluid management services, including supply of magnetic plugs and use of tungsten disulphide (WS2) additives in oils.

“The magnetic plugs attract sludge and metal pieces that accumulate in the oil through wear and tear, and which are generally not visible to the human eye during oil changes. Analysis of this deleterious material enables us to ascertain what is causing it and how to prevent it, thereby ensuring oil performs as it should.

“The WS2 additives, which are distributed by Techenomics throughout its network in South East Asia, Northern Asia and Australia, enhance the performance of oil by lowering operating temperatures and reducing harmful emissions. The WS2 additives also help prevent friction by forming a protective microlayer of the surfaces of metal components, greatly reducing wear and the build-up of metal elements in lubricants.”

As an independent specialist, Techenomics tailors its solutions to the individual operating characteristics of each client and always acts for the benefit of clients without being compromised by third party arrangements.

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