



TEHENOMICS  
INTERNATIONAL

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Press Release

## As diesel shortage bites hard, Tehenomics has role in improving performance

### ***Condition monitoring and Liquid Tungsten use improve diesel consumption up to 5%***

As a diesel fuel supply crisis grips the world due to the Middle East conflict, it has never been more important to get the most out of diesel.

Tehenomics has an important role to play in this process with its total fluid management services and products.

CEO Chris Adsett said the company's condition monitoring program encompassed all lubricants, including diesel.



CHRIS ADSETT  
CEO OF TEHENOMICS

“We have complete testing services for diesel powered engines and equipment, which ensure operators get maximum benefit from diesel.

“Testing diesel regularly is an important component of any effective maintenance program.

“Our sampling, analysis, trending and interpretation serve to predict maintenance issues before they arise and help ensure diesel is working effectively, and as a bonus keeps the air cleaner,” he said.



Techenomics has operations in Australia, Indonesia and Mongolia which offer testing services for diesel fuel, including Ultra Low Sulphur Diesel (ULSD).

A number of nations, including Australia, have relaxed regulations for diesel fuel supply in order to keep the economy, including mining and industry, running during the supply crisis.

“This makes regular testing even more important,” Adsett said, “in order to minimise the impacts of deleterious elements, including sulphur.”

Techenomics uses ASTM D4294 as its standard method of testing in conjunction with an X-Ray Fluorescence Sulphur Tester that can check sulphur at 7ppm until 5%.

This is a 10 standard test method for sulphur in petroleum and petroleum products using Energy Dispersive X-ray Fluorescence Spectrometry.

“A good condition monitoring program, together with an application of 3% Liquid Tungsten (LT) in the engine oil can improve diesel fuel consumption by up to 5%,” Adsett said.

“This result has been proven in the laboratory, and, importantly, in independent field trials.”

Techenomics distributes the unique Liquid Tungsten products throughout its network and exclusively to the mining industry.

The Liquid Tungsten reduces friction between moving metal components, thereby reducing temperatures and creating more efficiency.

“Using our services regularly ensures diesel is operating to its maximum benefit in engines and mechanical equipment, and this is enhanced when LT is also used,” Adsett added.

“It is another example of how Techenomics’ services and products are designed to help operators get more out of their lubricants to minimise costly downtime and boost productivity.”

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*For more information about Techenomics International contact Chris Adsett, [c.adsett@techenomics.com](mailto:c.adsett@techenomics.com); in Indonesia Freddy, [freddy@techenomics.com](mailto:freddy@techenomics.com); in South East Asia Siti, [siti@techenomics.com](mailto:siti@techenomics.com), in Mongolia Tumeer, [tumeer@techenomics.com](mailto:tumeer@techenomics.com), in Australia Dr Gopal Kumar, [gopal.kumar@techenomics.com](mailto:gopal.kumar@techenomics.com) or for Liquid Tungsten globally Chris Adsett, [c.adsett@techenomics.com](mailto:c.adsett@techenomics.com).*