

17 May 2017  
Press Release

## How to take a correct used grease sample

Grease plays a vital role in lubricating mechanical components and analysis of grease provides operators with an accurate picture of the internal workings of equipment. It also indicates any issues that are likely to lead to decreased performance and even component failure.

Total fluid management provider Techenomics says grease provided for analysis must be truly representative of the grease used in equipment and incorrect sampling can result in contamination.

Techenomics' technology and product development manager Eka Karmila says there are a number of different methods of obtaining grease samples depending on where the samples are taken. These include a syringe kit, spatula, sampler kit, slew ring bearing sampling set and Grease Thief.

"It is important to follow the correct sampling methods to ensure that samples are not contaminated and that they can provide a qualified analysis and diagnostically conclusive statement.

"If there are contamination issues with the grease, components will heat up, not work effectively and start to cause serious issues. Any problems will increase tension and wear within and around the components that require the grease to work effectively in order to reduce the effects of friction.

As well as ensuring representative samples are obtained, Eka Karmila says an important part of the process is filling in all labels correctly. "Labels contain all the information necessary to identify the samples."

Comprehensive and easy to understand information, including images about how grease sampling should be carried out, is included on the Techenomics' website - just click on the following link – <http://www.techenomics.net/oil-fluid-analysis/grease-sample/>

Techenomics has been carrying out grease analysis for many years, along with analysis of other lubricants used in engines, equipment and hydraulic components.

CEO Chris Adsett says Techenomics' qualified and experienced technicians quickly identify common problems associated with any wear debris or contaminants found in grease samples utilising state-of-the-art equipment in ISO accredited laboratories.



Techenomics technology and product development manager  
Eka Karmila



Extracting a grease sample with a syringe



“Utilising data obtained from the analysis along with the trends, technicians then make recommendations for equipment owners to implement, thereby increasing productivity and reducing maintenance costs.”

For more information about Techenomics contact: *Chris Adsett, [c.adsett@techenomics.com](mailto:c.adsett@techenomics.com); in Indonesia Teguh, [teguh@techenomics.com](mailto:teguh@techenomics.com); in Singapore Siti, [siti@techenomics.com](mailto:siti@techenomics.com); in Mongolia Sugraa, [sugraa@techenomics.com](mailto:sugraa@techenomics.com); or in Australia Leo Valenz, [leo.valenz@techenomics.com](mailto:leo.valenz@techenomics.com)*