TRIBOLOGIK® NEWSLETTER

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In this issue:

- **Prevent Corrosion – Test for Water and Sediments**
- **Web Conferences and On-Line Training**

Prevent Corrosion – Test for Water and Sediments

Sediments are insoluble residues (impurities such as dust, rust chips and free water) present in petroleum products.

These impurities can cause corrosion, leading to malfunction and ultimately total destruction of the equipment: Sediments can block the controls of hydraulic circuits. In refrigeration compressors, sediments either originate from deteriorated gas circulation systems or from poorly filtered air compressors.

Testing for water and sediments in oil is therefore of prime importance. It is highly recommended for lubricants and fuel in storage tanks.

Test Methods

The «Water & Sediment » test method is meant to determine the water and sediment content in oil or fuel by centrifugation using a centrifuge extractor.

This method is considered as the most effective in estimating the volume in percentage concentration of water and sediments in fluids, down to a few percentage points (V/V %).

Different ASTM methods are used for different products: lubricants, fuel and coolants. At Predictive, the following two are most often used:

- **ASTM D 1796** is the method we use to establish the water and sediment content in **fuels** - range of 0 to 30 % (V/V);

- **ASTM D 96** is the standard method for the estimation of water and sediments in **lubricants** and **coolants**.

Web Conferences and On-Line Training

A **web conference and on-line training** program on lubricant analysis is currently under preparation at which time you will be notified should you wish to take part

We will keep you informed of the schedule or please contact us by e-mail at info@tribologik.com for more information.

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