

PREVENTIVE MAINTENANCE

# Oil Analysis





## Detailed insights for optimal planning

An Oil Analysis assists in deciding the optimal oil change timing for hoisting, traveling and traversing gears. Hydraulic oil can also be analyzed. The service can provide useful information regarding the condition of internal gear components. For example, oil oxidation or metallic particles in oil are potential symptoms of running problems.

An optimal oil change interval is affected by equipment usage and ambient conditions; a calendar-based interval may result in too many or too few oil changes.

An Oil Analysis performed on a regular schedule, such as annually, will show trends in oil quality. Trends in oil condition may reveal defects, such as slowly accumulated fatigue on gear teeth, which may be relevant in planning more thorough inspections, overhauls or replacements.

Oil Analysis is especially recommended for production-critical cranes and high-performance lifting gears that require cost-intensive oils or costly downtime.

### BENEFITS

- Can help determine an oil change need for equipment with unknown previous oil change dates
- Can help identify oil quality issues between scheduled oil changes
- May reveal defects which can be relevant in planning maintenance actions

### Oil Analysis and predictive maintenance

Oil Analysis plays an important part in predictive maintenance which utilizes condition monitoring, advanced inspections, and data analytics to predict component or equipment failure. Oil analysis combined with operational data from TRUCONNECT Remote Monitoring can be a good predictor of gear case failure.

### Analysis report available on yourKONECRANES.com

A detailed analysis report is made available on our customer portal – yourKONECRANES.

com. This gives you an in-depth insight into the condition of the oil as well as the mechanical condition of your gears and bearings. The Oil Analysis helps you plan together with our experts the optimal time for oil replacement, gearbox repairs, overhauls or future modernization needs of your equipment.

### Add Oil Analysis to your service agreement for optimal benefits

An Oil Analysis can easily be performed during any scheduled preventive maintenance visit and can be bundled with a service agreement such as the CARE Preventive Maintenance program.



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