

# Eliminate Live Works.

Get representative  
Oil samples.

**CARETAKER**<sup>®</sup>  
ALRS | Oil samples you can safely trust



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## CARETAKER®

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### Do your lab results make you question sample quality?

CareTaker Automatic Live Remote Sampling System (ALRS) addresses two issues common in scheduled oil sampling for fixed plant and mobile equipment.

**Issue 1:** fluid sampling reliability

**Issue 2:** service personnel in harm's way

### CareTaker ALRS solves these issues in the following ways:

- Eliminates the need for personnel to access dangerous and hard to reach sample point locations
- Provides a solution against dead oil samples and cold samples as well as contamination from compromised sampling bottles
- Addresses factors around irregular sampling
- Eliminates Live Works (ELW)
- Reduces the risk of service personnel error



single-port sample station



Installation of a 2-port sample station on Komatsu 930E dump truck

### Condition-Based Oil Changes & Decision-making

Now Condition Monitoring teams can trend fluid sample data with confidence. The CareTaker ALRS will enable sites to transition from 'time-based' oil changes to 'condition-based', potentially saving costs and reducing wastage related to purchasing new oil and disposing of waste oil. Extracting and tracking a fluid sample has never been this safe or accurate.

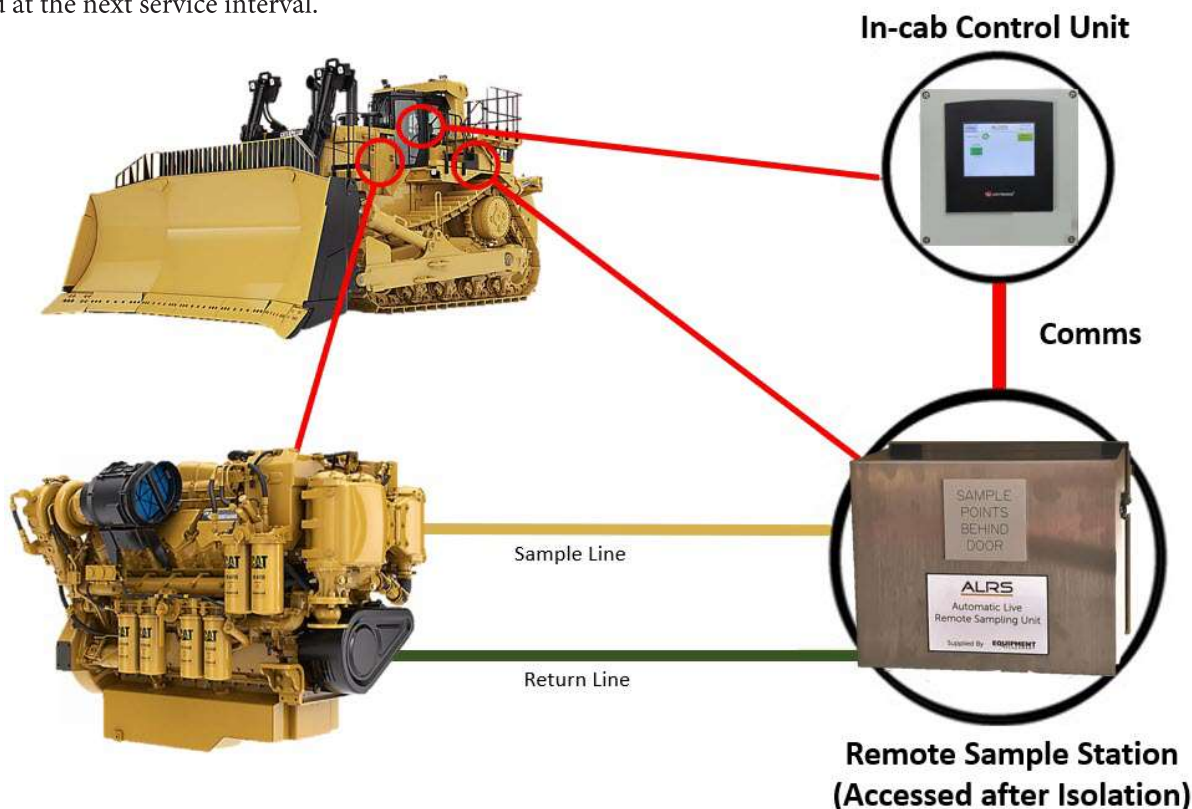
- Take a representative sample
- Capture and record accurate and useful data
- Analyse the sample with confidence
- Utilise as a tool to determine component wear
- Enables 'condition-based' scheduling of oil and component change-out

**CareTaker - helping you reach the next level of safety and reliability in condition monitoring and hydrocarbon management.**



## CareTaker ALRS - Automatic Live Remote Sampling

In the below example, CareTaker ALRS is utilised to sample engine oil on a dozer. CareTaker ALRS is preset to sample at a specified service interval on the machine. This can be done either via the web or by the in-cab Control Unit's touchscreen. When the preset sample interval is reached, the Control Unit sends a start signal to the Remote Sample Station which will commence the sampling process described below. When safe to do so, a technician can open the Remote Sample Station box. The technician then removes the filled sample bottle, screws on the cap, and then inserts a new sample bottle ready for the next fluid sample to be automatically collected at the next service interval.



### How does the CareTaker ALRS collect a sample?



**Preset.** Sample Intervals are set either via the web or touchscreen.



**Purge.** The CareTaker purges with fresh fluid.



**Charge.** CareTaker then charges the sample chamber.



**Discharge.** The sample chamber is discharged into the sample bottle.

Contact us for a discussion of how CareTaker ALRS could help you achieve safer fluid sampling.

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