



**Do You Care For Your  
Plant and Machinery?**

*Test your machine's oil samples with :* **TelLab** 



**TelLab** 

**Your sample is  
analysed using the  
most advanced  
technology available**

# Machine Care is a world-leading predictive maintenance system based on condition monitoring through oil analysis.

By taking a few minutes of your time to obtain a small sample T. E. Laboratories Ltd can identify potential problems in your machinery before they cause serious damage.

Using Machine Care T. E. Laboratories Ltd can identify abnormal wear in any of the lubricated metallic components of your machinery, giving you early warning of possible failure. It can spot many other sources of trouble such as dirty fuel and coolant contamination before they lead to breakdowns.

## Advantages to Machine Care:

1. Checks oil conditions
2. Extends oil change intervals
3. Gives extended warranties
4. Identifies defective operating conditions
5. Increases machine availability
6. Helps schedule maintenance

Machine Care is an invaluable technical support tool for the maintenance engineer; by analysing trends, costly downtime can be kept to a minimum and maintenance can be carried out in the most economical manner.



# How does machine care work?

The Machine Care System operates in three easy steps:

- 1. A TelLab engineer can take a 60ml sample of oil or the maintenance engineer can be supplied with a pre-addressed carton containing a sample bottle.**
- 2. Your sample is analysed using the most advanced equipment available, including an Auto- viscometer, FT-IR, ICP spectrometer and Laser Net Fines. The results are evaluated by experienced diagnosticians who review previous sample details and equipment history to help determine potential problems.**
- 3. Results indicating a serious condition reach you within 24 hours. A pdf report containing full results and details of recommended action follows by e-mail.**

Industrial users can view their results using our on-line asset database - [www.tellab.ie](http://www.tellab.ie). This allows users access results, submit samples and view trends.

## Machine Care can be applied to:

- Road, rail and shipping fleets
- Mining, quarrying and construction plants
- Stationary or mobile industrial units, generators, compressors, pumps etc
- Transmission, gear and hydraulic oils
- Textile and injection moulding industries, computer components
- Wind farm turbines
- Chiller refrigeration systems

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