PAMAS CMDM
Condition Monitoring
Data Manager

An oil contamination control tool for preventive maintenance in hydraulic and lube oil systems

- Trend Monitoring: Recording and analysis of cleanliness trends

- Data management of measuring results coming from batch sampling or microscopic analysis

- Allows route based measuring

- Upgrades particle counter PAMAS S40 to a condition monitoring system

- Systematic cleanliness monitoring allows longer maintenance intervals

IN THE WORLD OF PARTICLES PAMAS COUNTS

PAMAS CMDM
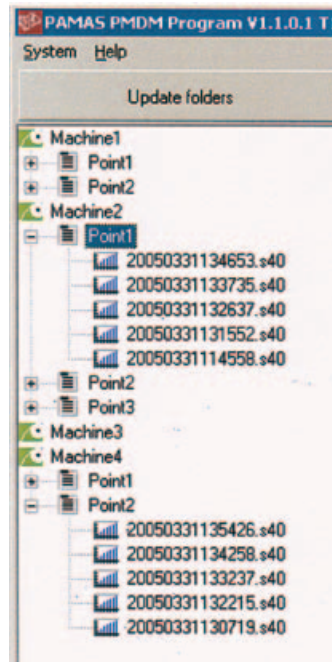## Software for Oil Condition Monitoring

The software **PAMAS CMDM** was developed as a tool for oil contamination control and preventive maintenance in hydraulic and lubricating oil systems. The software records and analyses the measuring results of the particle counters **PAMAS S40** and **PAMAS SBSS**.

The software PAMAS CMDM shows measuring results in tables and graphs.

Furthermore, **PAMAS CMDM** contains a database to organise the measuring results of various sources:

- results of the portable particle counter **PAMAS S40**

- results of the laboratory particle counter **PAMAS SBSS** (measured with software PAMAS PMA)

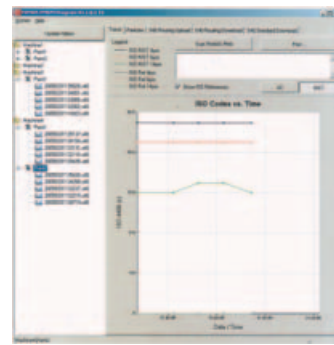- digital pictures of membrane filtered oil samples for microscopic analyses according to ISO 4407

The Software PAMAS CMDM provides a clear and visual database structure for easy handling and storage of particle counting results from different measuring sources.

Digital pictures of oil samples on membrane filters of microscopic analyses may also be stored in the database of PAMAS CMDM

Trend Monitoring:
As a tool for preventive maintenance, the software **PAMAS CMDM** provides a clear and quick way to control measured particle numbers and contamination levels (cleanliness classes according to ISO 4406) over time for each selected measuring point.

With its trend monitoring function, the software PAMAS CMDM upgrades the particle counters PAMAS S40 and PAMAS SBSS to instruments for long-term condition monitoring.

Routing Mode:
Combined with the software **PAMAS CMDM**, the portable particle counter **PAMAS S40** can be operated in routing mode.

A routing list with up to 20 measuring points may be programmed on the PC and uploaded to the particle counter before tests commence. Different measuring parameters for each measuring point are pre-defined and uploaded with the route liste.

All defined measuring points are displayed in a clearly arranged list on the screen of the particle counter.

The operator just has to follow the route list displayed on the **PAMAS S40**. The instrument will then measure according to the programmed parameters of each measuring point. It is impossible to tamper with this settings in routing mode: the particle counter is automatically set up correctly for each single measurement point. This avoids wrong measuring results due to inappropriate sampling. The operator mayonly repeat measurements which do not seem to be correct.

The measurement data of each single measuring point, stored in the particle counter **PAMAS S40**, may be downloaded afterwards on the PC the results can now be evaluated, stored and printed with the software **PAMAS CMDM**.

Technical data:

- software runs on Windows® systems from Windows® 7 to Windows® 10

- selectable languages for operation: English, German or Finnish

Management System ISO 9001:2015
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