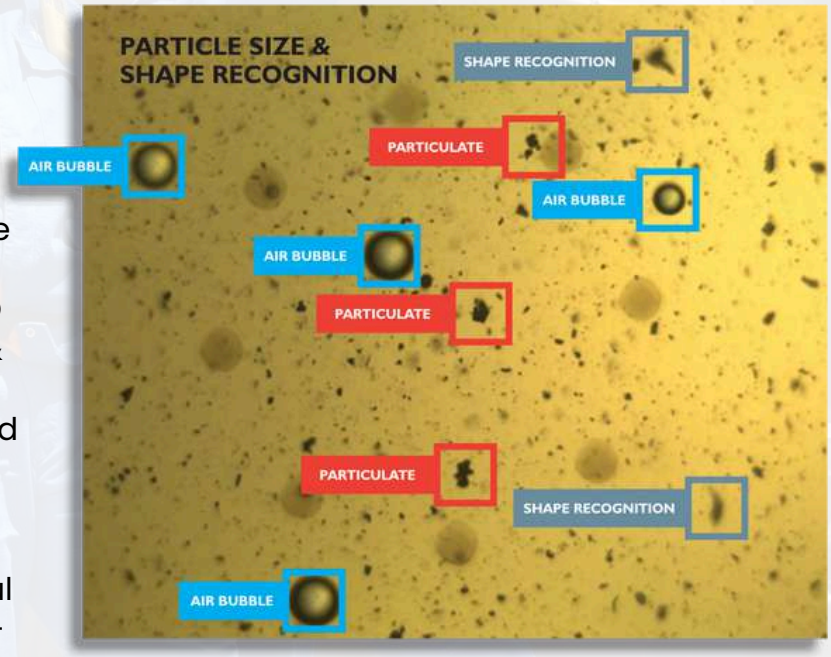
ON-SITE OIL ANALYSIS

Our all new Particle Pal Plus utilises breakthrough digital imaging technology which provides a greater insight into the size and type of particulate in any oil system. Air bubble elimination and shape recognition gives root cause particle analysis.

FS9V4

Harnessing the power of proven digital imaging technology

We've embedded the latest in particle counting technology along into our new Particle Pal Plus series. Giving ISO 4406 counts as well as 4, 6, 14, 21, 38 & 70 micron sizing and bubble elimination. Digital imaging, combined with advanced algorithms, sorts particles into fatigue wear, cutting wear and sliding wear categories to give root cause analysis. This powerful technology gives unprecedented, on-the-spot insight into the condition of your oil.



The image above is 4mm x 3mm and shows particulate that the human eye can't see. Images of the oil are not displayed on the screen.

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KLEENOIL®

Digital Imaging Particulate Counter

Capable of broad size determination from 4, 6, 14, 21, 38 & 70 micron counts. Air bubble and water droplet elimination. Shape determination to identify fatigue, sliding or cutting wear as well as fibre identification.

Battery Life

Internal rechargeable lithium batteries providing up to ten hours of use.

Particulate analysis.

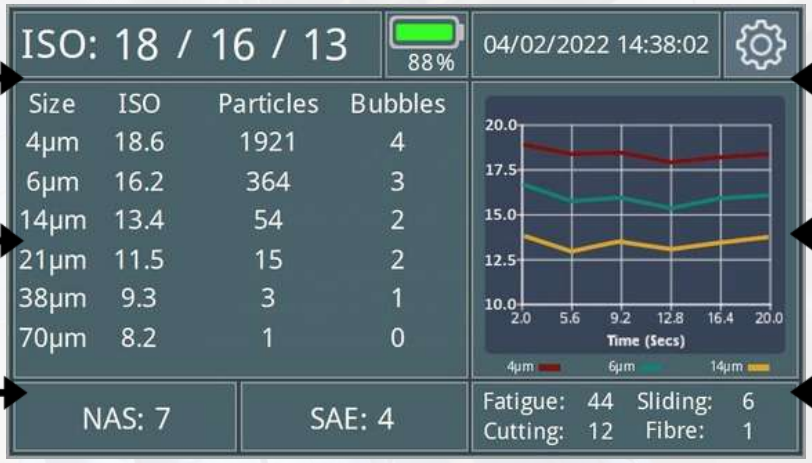
The Atten2 digital imaging particle counter gives advanced size and shape recognition for any sample. Counting particulate in virtually any oil up to 320cSt, the Atten2 device also eliminates air bubbles, making it ideal for heavy lube and gear oil applications in cold temperatures. Reporting 4, 6, 14, 21, 38 & 70 micron counts as well as categorising any particle greater than 20 microns into:

•Fatigue Wear • Sliding Wear • Cutting Wear • Fibres

Clear and easy to read ISO code which changes between green, white and red to indicate the oil cleanliness.

Oil cleanliness for each size category details the ISO code, number of particles per millilitre and the bubbles detected.

Additional sensors give an unprecedented insight into the overall condition of the oil.



Additional settings allow control of the pump speed for priming and flushing, datalogging, ISO cleanliness alarm limits and changing the time zone.

Oil cleanliness is trended over time to show how its condition changes.

Particles are analysed and sorted into fatigue wear, cutting wear, sliding wear and fibre identification to give root cause analysis.

Particle Pal Plus Advanced Oil Analysis - TECHNICAL INFORMATION

Fluid Compatibility	Synthetic oils, organic oils, mineral oils & diesel fuel(320cSt viscosity limit).
Display Information	Particulate: ISO 4406, SAE AS4059 & NAS 1638, bubble limination and particle wear analysis.
Modes of Operation	High pressure live system sampling (up to 350 bar) - via a high pressure adaptor. Bottle sampling and tank sampling.
Data	All data stored locally with an option to export to CSV or PDF.

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