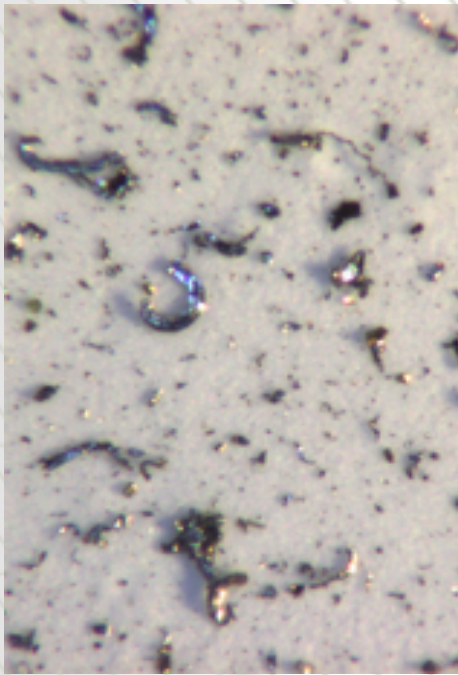


**ASTM D7684-11
Compliant
Wear Debris Analysis
Training**

**V4L Resource-on-Demand
Computer Aided Debris
Evaluation Training**



With the V4L CADET Program

*The perfect time to learn is:
.... at your own convenience*

*The perfect place to learn is:
.... in the lab
.... on site
.... wherever you happen to be*

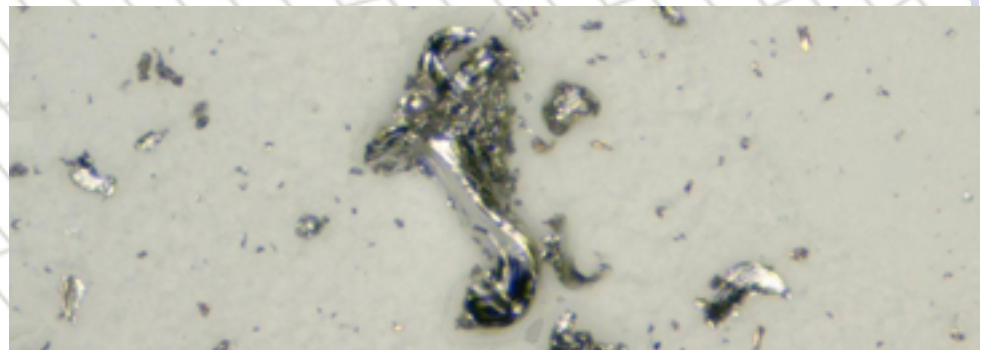
....

The Software Offers

- ASTM D7684 compliant training
- Unrivalled wear debris analysis.
- Reduced staff training costs
- Potential for remote diagnosis
- Suitable for on-site use

Can be used to analyse:

- In-line filter debris
- Magnetic plug debris
- Filter Patches
- Grease samples



V4L is a world leader in wear debris particle analysis R&D and has devised a best practice wear debris evaluation training program according to the **ASTM D7684-11** standard for analysing in-service lubricants. The software has a knowledge base formed from the collection and analysis of thousands of wear debris particle images and represents the combined expertise of a number of experts with decades of hands on experience. Available at www.V4L-group.co.uk/training as a **Resource-on-Demand**



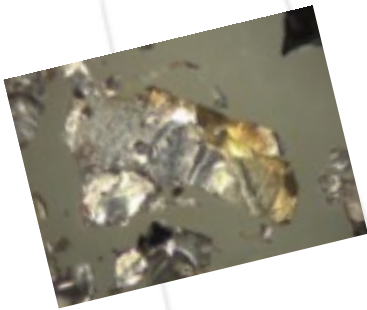
“ I hear and I forget
I see and I remember
I do and I understand ”

- Confucius 477 BC

V4L Computer Aided Debris Evaluation Training

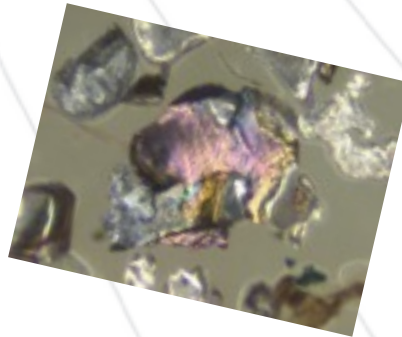
Start Training...

- Spend an hour or so interacting with the tutorial and learning how to use the software
- Become familiar with the parameters that characterise wear debris particle types
- The software informs the user if an incorrect parameter choice is made and the user can then try again



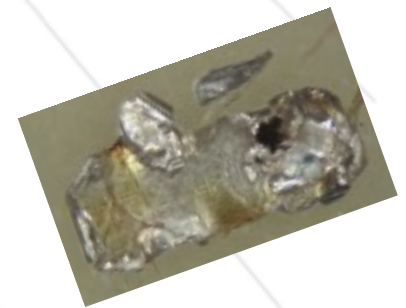
Continue Training...

- Interact with the software to analyse a series of 24 test images that increase in complexity as the training progresses
- At each stage of an analysis expert-guidance notes are presented offering useful condition monitoring diagnostic information



Whenever Convenient...

- The training is available online as a Resource-on-Demand purchased on an hourly basis
- On completion of each test analysis the user consults the Case Study notes, which contain the identities of the particles under analysis together with the appropriate ASTM D7684-11 references
- When the training is complete the software continues to be a vital support and reference resource for routine on-site maintenance



After completing the V4L CADET Program End users will understand:

- *The classes of wear and contaminant particles in ASTM D7684-11 Standard Guide for Microscopic Characterisation of Particles from In-Service Lubricants.*
- *The wear and contamination situations that commonly occur in engines, gearboxes and hydraulic systems.*
- *How examination of the wear and contaminant particles recovered from fluid samples, filters and magnetic plus can reveal machine faults.*
- *The way in which appropriate and timely corrective action can prevent faults escalating into failures.*