

1. BEFORE YOU BEGIN

Please check that your kit contains the following items:

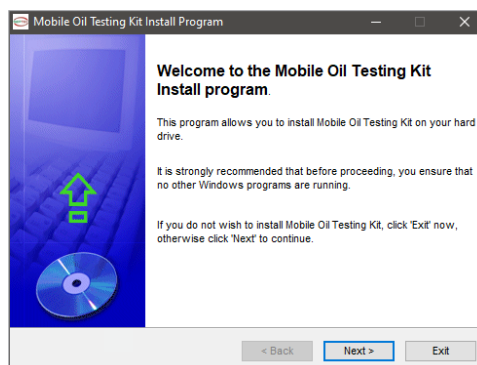
- OQSxG2 Oil Quality Sensor
- MOT Kit bottle adaptor (with red fibre washer/seal)
- Sensor to PC power and data cable (Cable J)
- USB stick (containing MOT software)
- 5 x Reusable sample bottles

2. SOFTWARE INSTALLATION



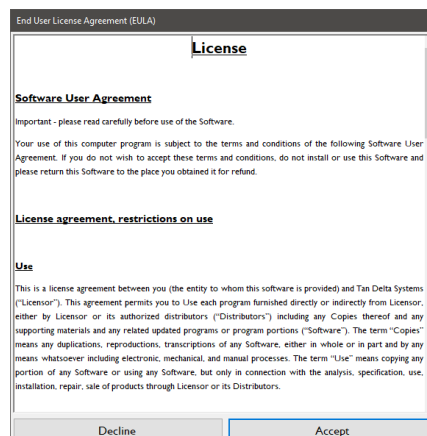
Step 1: Take everything out of the case and plug the USB stick into your PC/laptop. (Please make sure you are running Windows 10 or above and have administrator privileges.)

Step 2: To start the installation, double-click on the SetupMOT.exe file. The pop-up window (right) will appear. Follow the instructions to complete the set up.



Step 3: Upon first launch of the software, the End User Licence Agreement will pop up. Please click 'Accept' to proceed.

Step 4: Complete the Device Driver Installation Wizard and restart your system when prompted.



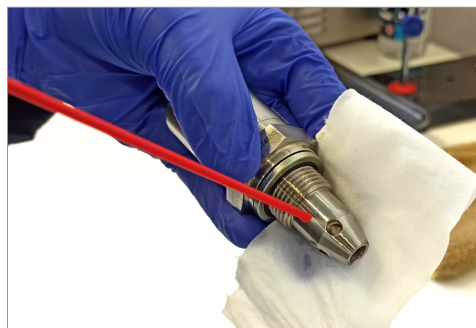
3. CLEAN SENSOR AND BOTTLE



For accurate results, it is vitally important to perform any test using a clean sensor and sample bottle. Any oil residue from a previous test **MUST** be removed.

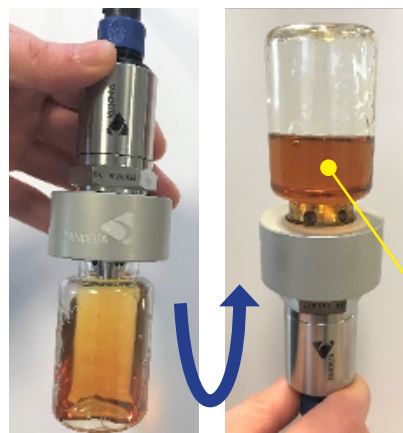
Step 1: TO CLEAN THE SENSOR, wipe excess oil using absorbent material. Next, spray solvent cleaner into each of the four holes around the sensor tip, and into the main bore. Our recommended cleaner is Loctite 7063. If unavailable, please contact Support for a suitable alternative. Finally, give the outer surface a quick spray. Give a sharp shake to remove any excess and allow to dry for at least 1 minute.

Step 2: TO CLEAN A SAMPLE BOTTLE, wipe excess oil using absorbent material. Next, spray solvent cleaner all around the inside of the bottle. Give a sharp shake to remove any excess and allow to dry for at least 1 minute.



4. TAKE A SAMPLE

Step 1: Screw the bottle adapter to the sensor and then connect the blue Bulgin connector on the configuration cable to the sensor.

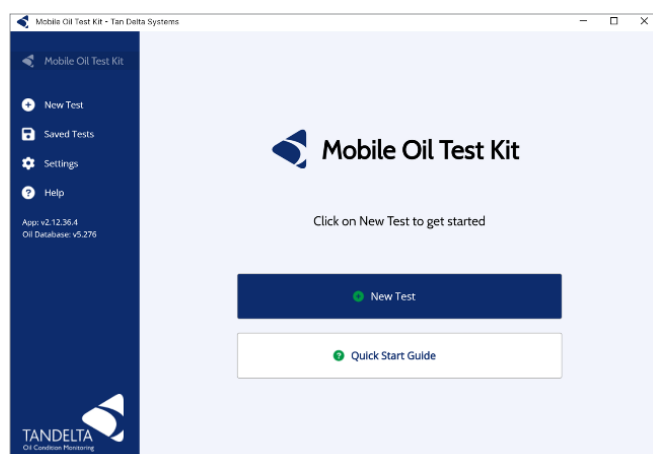


Step 2: Check red fibre washer/seal is in place in the bottle adaptor. Pour your oil sample into a clean sample bottle and screw onto the bottle adapter. Agitate for a few seconds and invert the whole assembly.

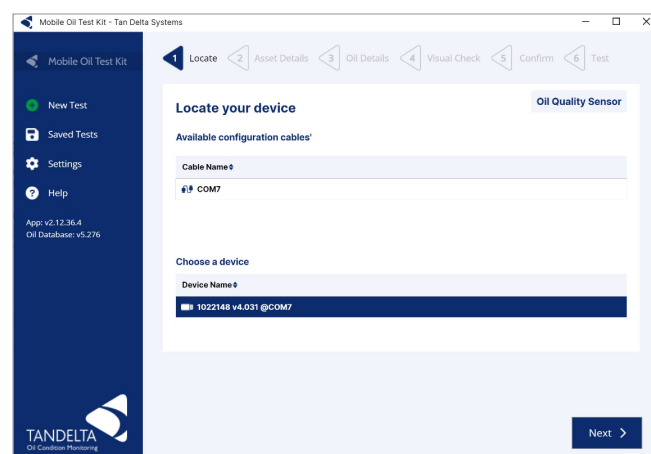
Note: Sensor nose must be completely submerged in oil for accurate results.

5. RUN NEW TEST

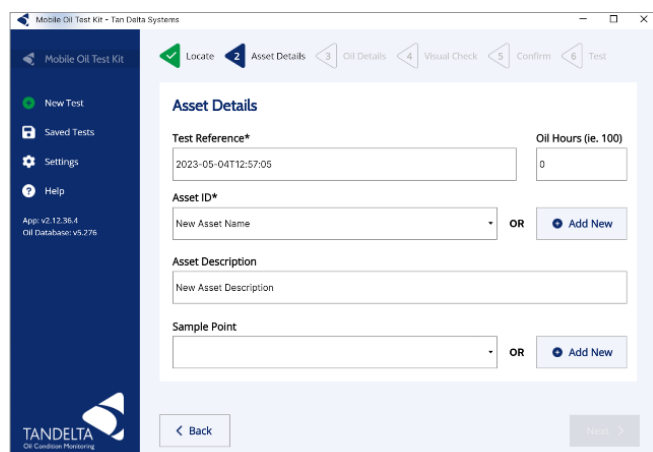
Step 1: Start the MOT software. After a few seconds the home screen of the MOT software will appear (shown below). Click on New Test to begin.



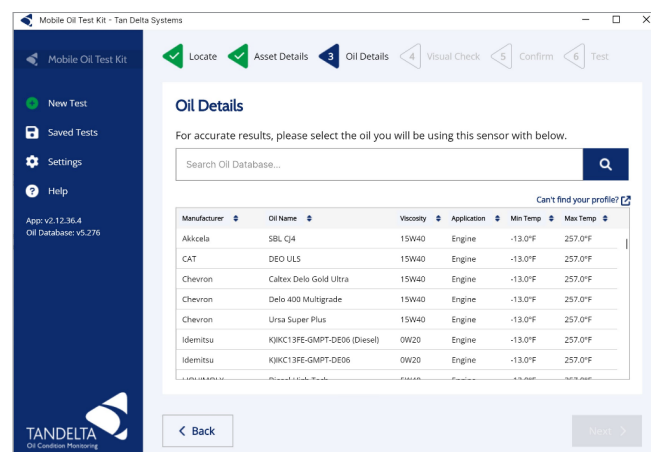
Step 2: Plug in the USB end of the Config Cable into your PC/laptop. The COM port you are connected to will appear under Cable Names. The sensor serial number will appear under Device Names. Click Next to continue.



Step 3: Enter the Asset Details for the asset the oil has come from. Click Next.

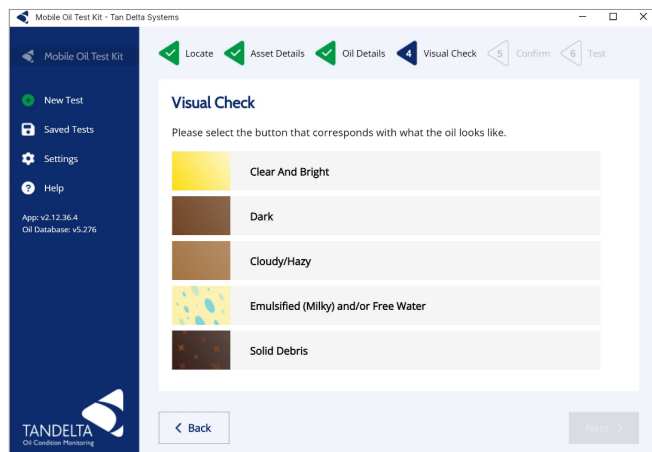


Step 4: Select your oil from the database, and click Next.

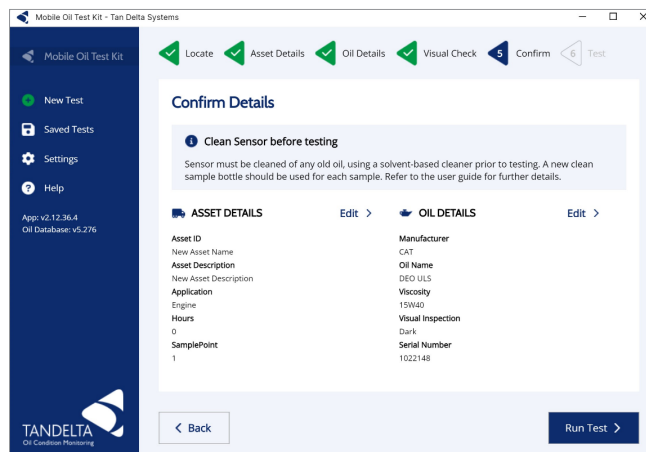


5. RUN NEW TEST (continued)

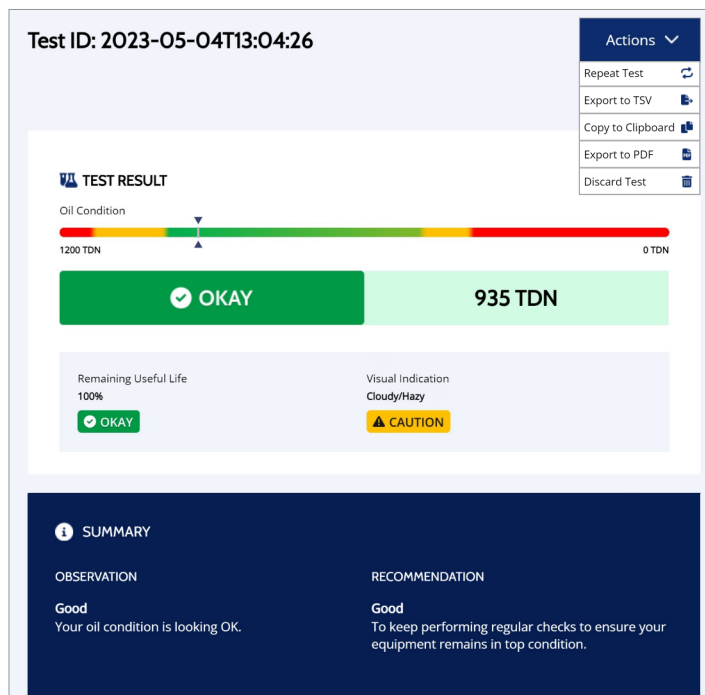
Step 5: Carry out a visual check by selecting the image that most closely resembles state of the oil sample. Click next.



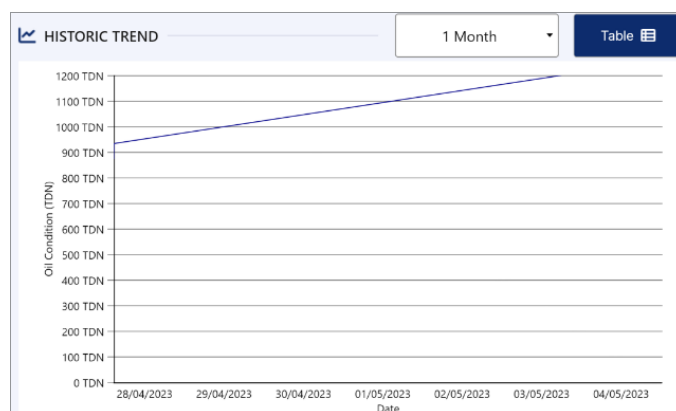
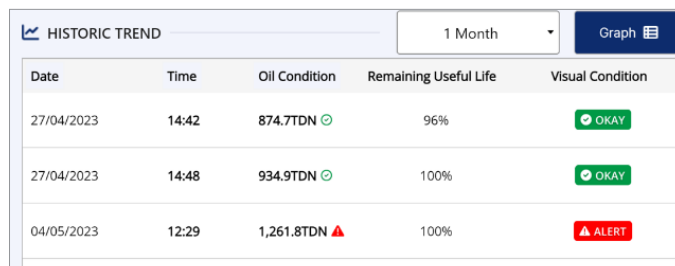
Step 6: Confirm the details entered are correct, edit if necessary. Click 'Run Test' to begin the analysis.



Step 7: Your oil will now be analysed. The results and recommendations are shown on the Test Result screen. Under the Actions menu, you can repeat or discard the test. You can also export the test data to a TSV, PDF, or copy the test data to clipboard which will allow it to be pasted into various programs, e.g. Excel.



Step 8: On the Test Result screen, you can switch between viewing the data as a graph or in table form. The graph will display the historic trend of any saved tests, which have a matching Asset ID, Sample Point, and Oil Name.

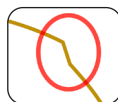



Date	Time	Oil Condition	Remaining Useful Life	Visual Condition
27/04/2023	14:42	874.7TDN	96%	OKAY
27/04/2023	14:48	934.9TDN	100%	OKAY
04/05/2023	12:29	1,261.8TDN	100%	ALERT

INTERPRETING OIL CONDITION**What does it mean?**

High readings usually indicate the sensor head is in air. Check the location and move if necessary, so head is submerged in oil. If location is OK, the high reading could be caused by fuel contamination or sweetening.

Oil condition is okay for the application selected and can continue to be used in operation. However, continued monitoring of the oil will detect any deviations from the expected oil life curve. If detected, investigate for potential issues which could lead to failures of equipment before they happen.



Oil is nearing the end of its life. Schedule maintenance.

Oil is no longer operationally viable. Change immediately.

Engine	Diesel engine	Gas engine	Electrically insulating (e.g. transformer)	Hydraulic	Transmission (e.g. gearbox)
1140 TDN -12.0 %LF	1140 TDN -12.0 %LF	1140 TDN -12.0 %LF	1100 TDN -10.0 %LF	1060 TDN -08.0 %LF	1100 TDN -10.0 %LF
1060 TDN -08.0 %LF	1060 TDN -08.0 %LF	1060 TDN -08.0 %LF	1050 TDN -07.5 %LF	1000 TDN -05.0 %LF	1000 TDN -05.0 %LF
900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF	900 TDN 0.0 %LF
400 TDN 025.0 %LF	410 TDN 024.5 %LF	760 TDN 007.0 %LF	760 TDN 007.0 %LF	760 TDN 007.0 %LF	700 TDN 010.0 %LF
300 TDN 030.0 %LF	310 TDN 029.5 %LF	660 TDN 012.0 %LF	700 TDN 010.0 %LF	660 TDN 012.0 %LF	500 TDN 020.0 %LF

If your application is not listed, please contact Tan Delta Support to discuss a solution.

SUPPORT – FAQ

If you have any issues, please read the tips below before contacting us for further support.

1. Where are the Cable J drivers?

The drivers for Cable J should install automatically; however, if they do not, the latest drivers are on the USB stick.

2. Test result does not follow expected trend. Can I sanity check the result?

Check correct oil was selected when setting up the test. The sensor may need cleaning. Leave it immersed in solvent for 5 minutes, rinsing in de-ionised water and then allowing it to dry thoroughly. If the test result is the same or very similar to before, then it is an accurate result.

3. How do I update the software?

Software updates will happen automatically. You will be prompted to accept when one is available. If you are provided an installer by Tan Delta, please uninstall any previous versions of software before installing the new one.

4. How do I remove the software?

Simply go into your control panel and remove the software using the built in WiFi interface. Simple and easy for any equipment, application and oil type, with huge operational and financial benefits.

SCAN ME



You can find further information in the Master User Guide on the support page of our website. If you have any further questions, please contact our support team by email: support@tandeltasystems.com who will answer no later than the next working day.

Alternatively, refer to Master User Guide available at: www.tandeltasystems.com/support