Please Read Me First: Mobile Oil Tester (MOT) Kit Quick Start Guide

TANDELTA
Oil Condition Monitoring

Before you begin

Please check that your kit contains the following items:

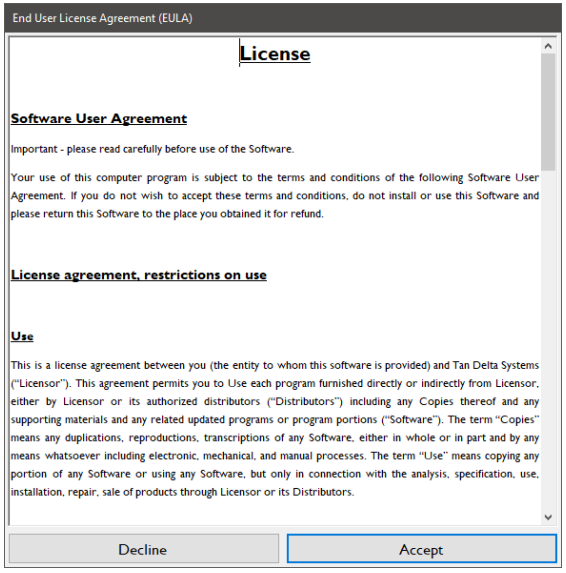
- OQSxG2 Oil Quality Sensor
- Tan Delta Sample Bottle Adapter
- Tan Delta USB Cable
- Loctite Cleaner
- USB Memory Stick
- 5 x Clean Bottles
- Instruction Sheets

Software Installation

Step 1: Take everything out of the case and plug the USB Memory Stick into your PC/Laptop (please make sure you have administrator privileges.

Step 2: To start the installation double click on the SetupMOT.exe file. The following pop up will appear. Follow the instructions to complete the set up.

Step 3: Upon first launch of the software a licence agreement will pop up. Please click 'Accept' to proceed.



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

Take a Sample

Step 1: Remove the plastic caps from the sensor, attach the adapter to the sensor and then connect the USB cable to the sensor.

Step 2: Plug in the USB cable to your PC/Laptop and start the Tan Delta Software. This will take you to the Home Screen of the MOT software (shown below).

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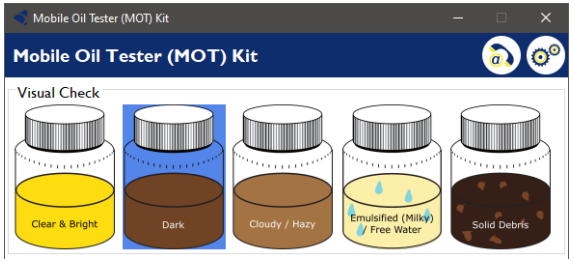
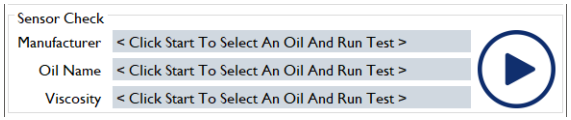
Step 4: Attach a sample bottle (with oil) to the adapter, agitate for a few seconds and invert the whole assembly.

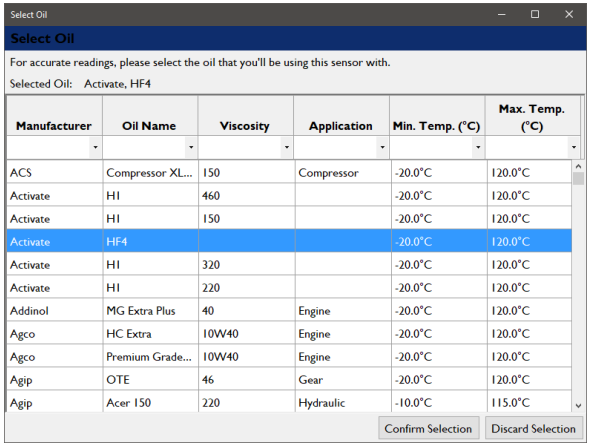
Step 5: Carry out a visual check by selecting the bottle that most closely resembles state of the oil sample.



Then click the 'start' button to start the analysis:



Step 6: Select your oil from the database, and 'Confirm Selection'.



Step 7: Your will now be analysed. The results and actions required are shown on the Home Screen.

Step 8: Save your results by entering a 'Sample ID', then clicking the 'Save' button. You can also either load historic records or refresh to take another reading. We recommend taking at least 3 readings per sample and ensuring they remain stable.

Step 9: To clean the sensor, wipe excess oil from sensor using absorbent material. Next, spray solvent cleaner into each of the 4 holes around the sensor tip, and into the main bore. 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. (Our recommended cleaner is Loctite 7063, if unavailable, please contact Support for a suitable alternative).

You are now ready to take your next sample.

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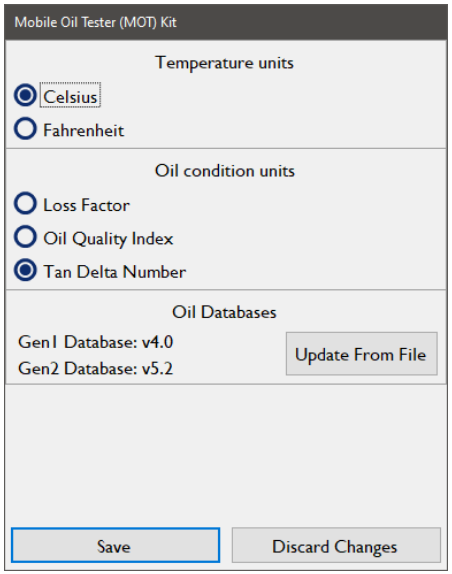
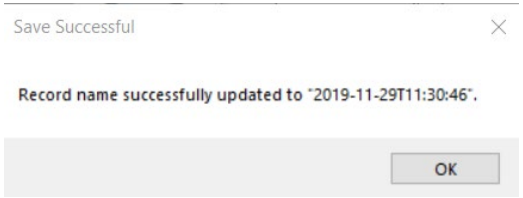
Additional Information

Contact: Select this option to access the Support telephone number.

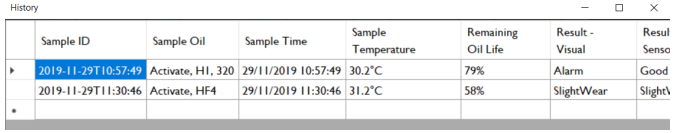
Settings: Select this option to set the temperature units, Oil Condition Units and to access the Oil Database.



Save: Select this option to save sample data.



History: Select this option to view saved sample records.



Refresh: To take another sample.

Oil Quality Index Value – what do the symbol mean?

OQI Value	Symbol	Action
-2	⚠	Error or Severe Wear
-1 to 0	?	Sensor Clean or Sensor In Air
1 to 3	OK	Very Good
3 to 6	OK	Good
6 to 9	OK	Mild Wear
10 to 13	OK	Moderate Wear
14 to 15	🔧	Significant Wear
16 to 17	🔧	Very Significant Wear
18 to 21	⚠	Error or Severe Wear

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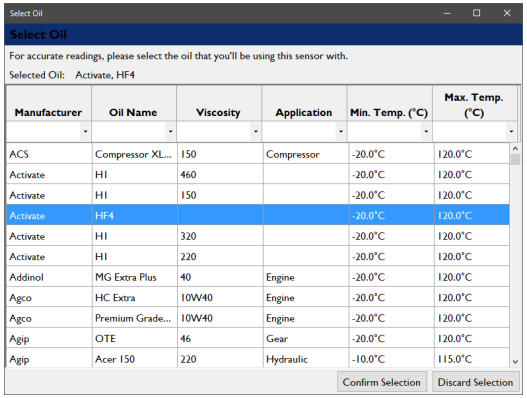
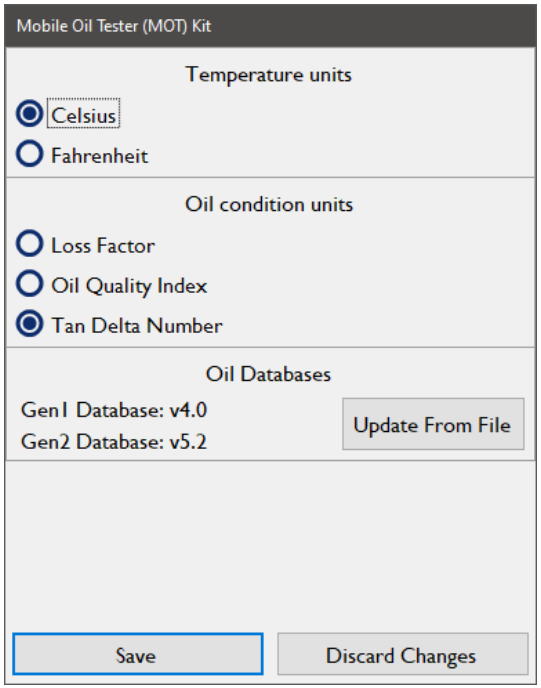
Update Oil Database Select this to replace the existing oil database, with a new one.

Sensor – Search for a new sensor If you disconnect the sensor and then re-connect the sensor (without re-starting the software), Re-run the sensor check to tell the software that the sensor has been re-connected.

Oil Selector Select this option to change the type of oil being sampled.



Display Options Select this option to set the temperature units and to select whether a sample id is recorded with each sample taken.



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

1. USB Cable Drivers

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

2. Lack of sensitivity

If you feel the sensor has lost its sensitivity then please give it a deep clean by leaving immersed in solvent for 5 minutes, rinsing in de-ionised water and then allowing it to dry thoroughly.

3. Software Updates

If you are given a software update, then simply install it from the same location you install the original software from; if this fails simply remove the old software and install the new. Please note that existing readings will not be lost.

4. Software Removal

Simply go into your control panel and remove the software.

Support

If you need any further support please check our website (www.tandeltasystems.com) or contact your supplier.

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