User Manual

CIVILAB 2023

MICRO DEVAL ABRASION TEST

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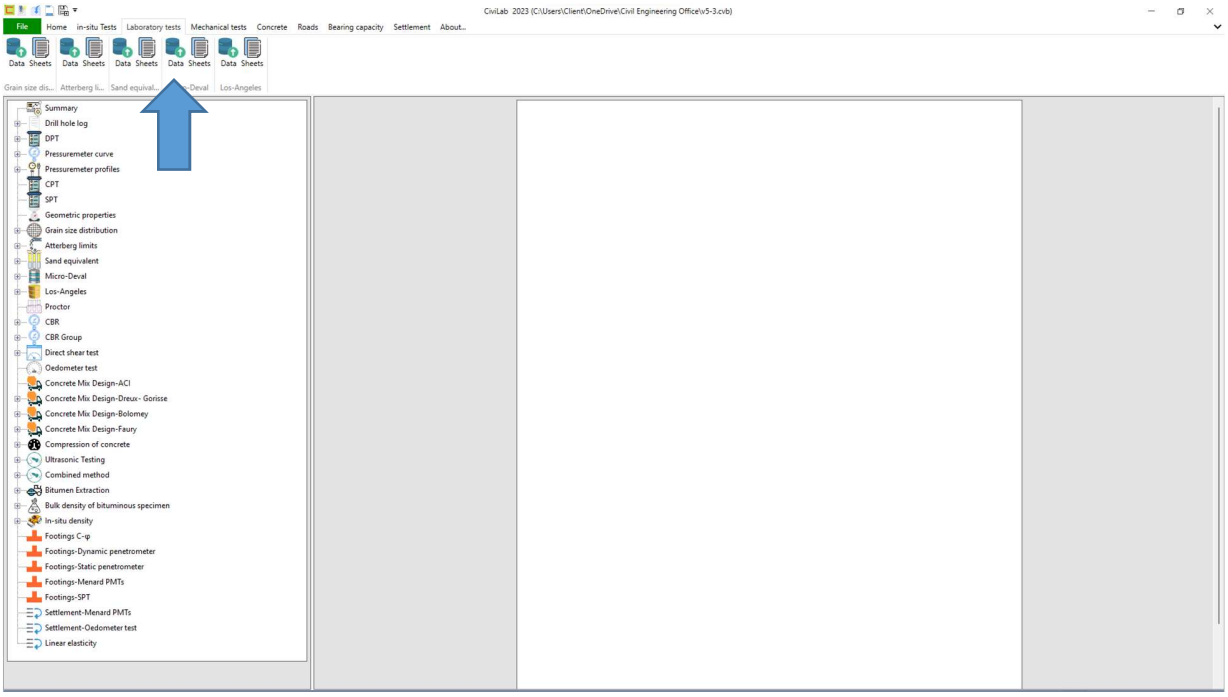
How to use CiviLab to perform the Micro-Deval abrasion test?

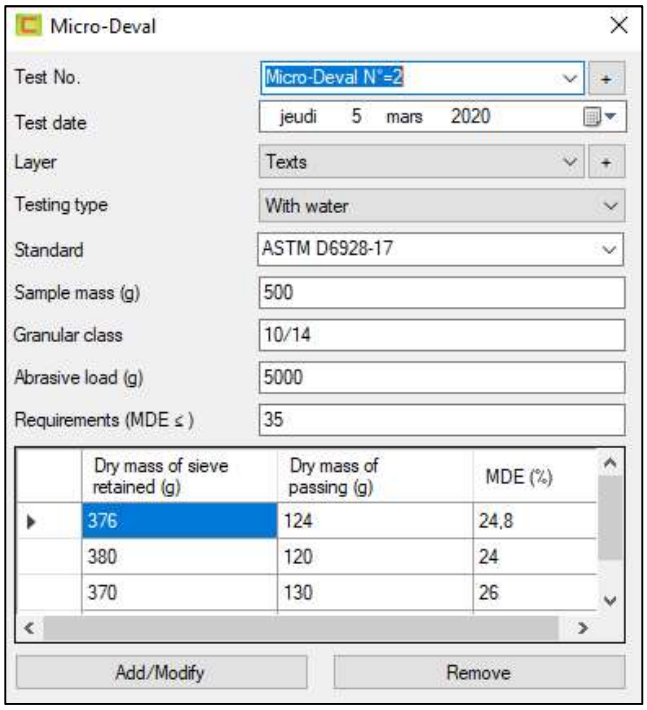
1- Test Data:

Click on the "Laboratory tests" tab then click on the "Data" button in the "Micro-Deval" panel, then input:

- The test name;
- The date of the test;
- Select the layer which should be used in the drawing process;
- Select the type of the test (With water or not);
- The standard used;
- The mass of the sample;
- The granular class;
- The abrasive load;
- The MDE requirement;
- The test outcomes
    - Dry mass of sieve retained;

Click on Add/Modify button.





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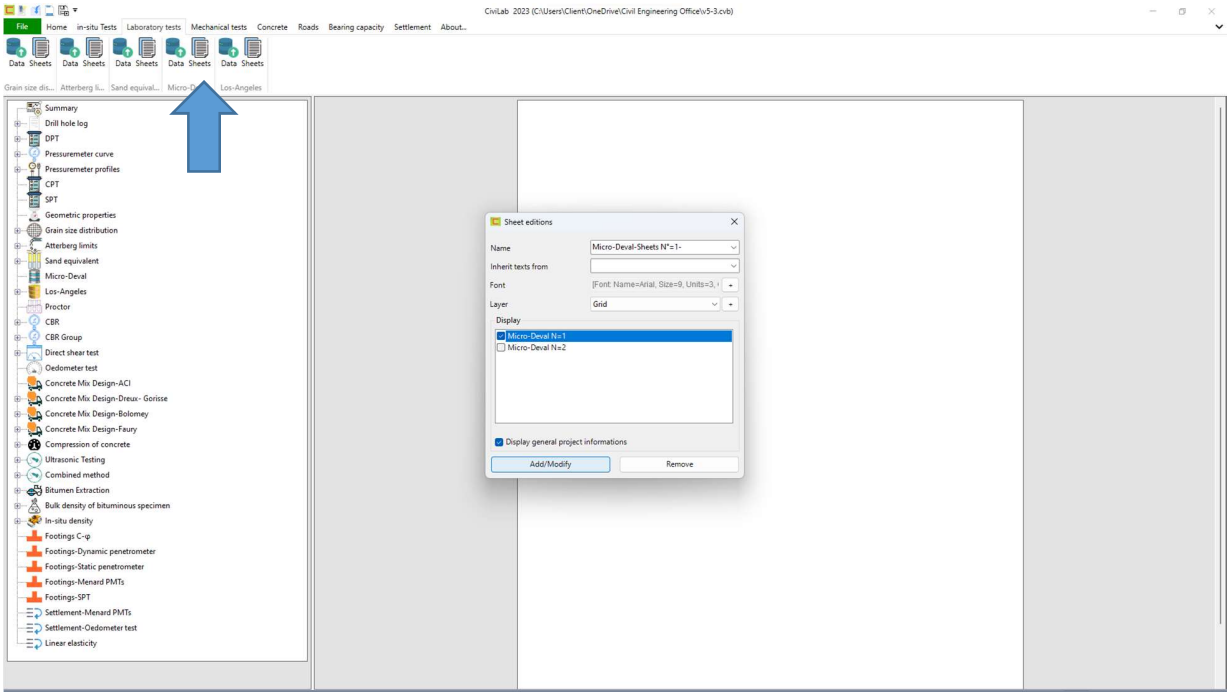
2- Add a sheet :

Click on the "Sheets" button in the "Micro-Deval" panel and input:

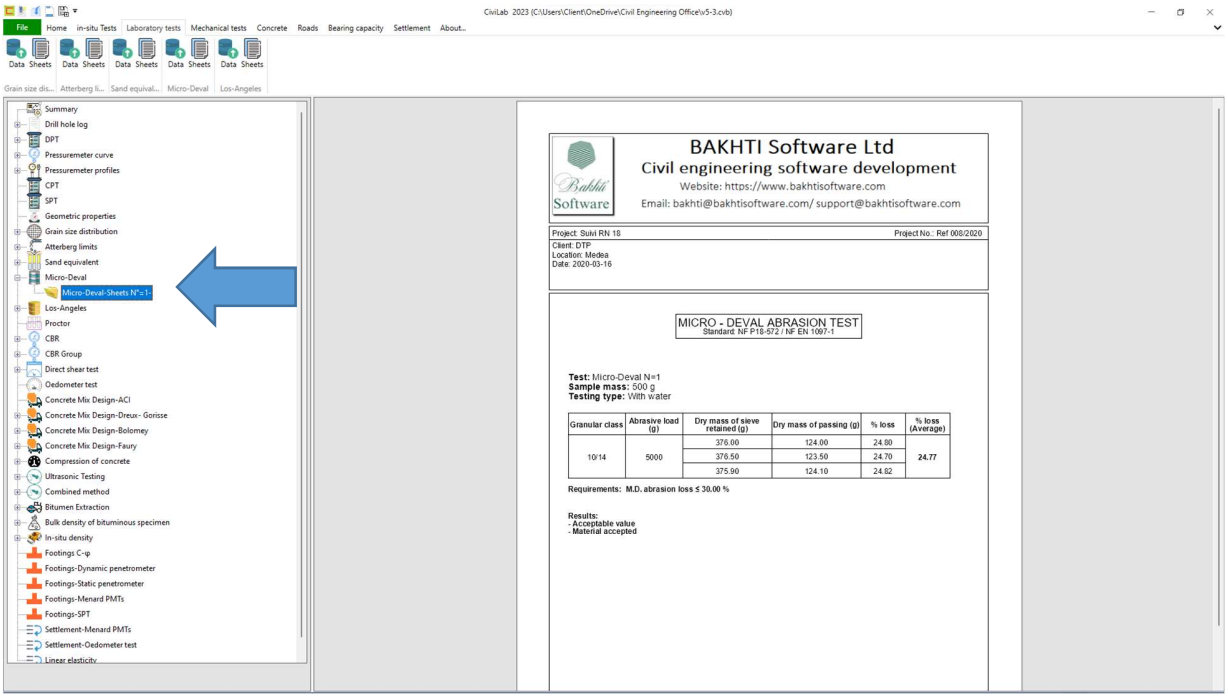
- The sheet name;
- Select the font;
- Select the layer used in the background drawing;
- Select the tests;
- To display general project information's check the corresponding box;

Then click on "Add/Modify" button



3- Display the report

To display the report, click on the sheet name in the tree view



To export or print the report, click on "Home" tab, then click the appropriate button in the outputs panel (Print or Export button)

A- Test report :

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a

Project: Suivi RN 18 | Project No.: Ref 008/2020

b

Client: DTP Location: Medea Date: 2020-03-05 Sample No: A-02	Source of sample: SC-10 Tested by: R.BAKHTI Checked by: LAIB

c

MICRO - DEVAL ABRASION TEST

Standard: ASTM D6928-17

d

Test: Micro-Deval N°=2
Sample mass: 500 g
Testing type: With water

Granular class	Abrasive load (g)	Dry mass of sieve retained (g)	Dry mass of passing (g)	% loss	% loss (Average)
10/14	5000	376,00	124,00	24,80	24,93
		380,00	120,00	24,00	
		370,00	130,00	26,00	

Requirements: M.D. abrasion loss ≤ 35,00 %

Results:
- **Acceptable value**
- **Material accepted**

a. **Sheet Header Presentation:** To import or modify the sheet header, go to the "Home" tab and select the "Header" button.

b. Project Name and Reference: These details can be entered from the project's general information found in the File menu.
c. Area for Displaying Test Information: Test information can be input within this area from the Test Information window (to show it click on the “+” button next to the name of the test on Data window) and project's general information window.
d. Area for results: this area is designated to show the test results.