

Status report to 76th GRBP (September 2022)

Task Force on Tyre Abrasion

On behalf of GRBP and GRPE

Task Force on Tyre Abrasion

Targets	<ul style="list-style-type: none">• Develop a procedure for measuring the abrasion of tyres: test conditions and methods• Rate the abrasion performance of a wide range of tyres available in the market• Define abrasion limits for tyres in order to limit the emission of microplastics to the environment• Assess potential correlation between abrasion performance and durability of tyres.• Develop a UN Regulation (or addition to UN Regulation No 117) for the type approval of tyres in respect to their abrasion
Roles	<ul style="list-style-type: none">• Co-chairs: France and European Commission• Secretariat: ETRTO (European Tyre and Rim Technical Organisation)
Reporting	To both working parties: GRPE and GRBP adoption: GRBP
Web page	Task Force on Tyre Abrasion (TF TA) - Transport - Vehicle Regulations - UNECE Wiki

Task Force on Tyre Abrasion: facts and figures



• Meetings

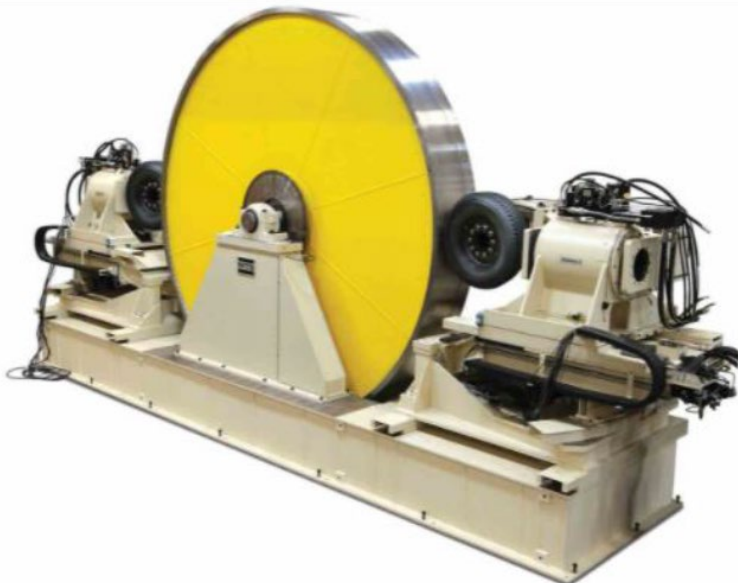
- 1st web-meeting: 28th April 2022
kick off
- 2nd web-meeting: 11th May 2022
- 3rd web-meeting: 17th June 2022
- 4th web-meeting: 2nd Sept. 2022



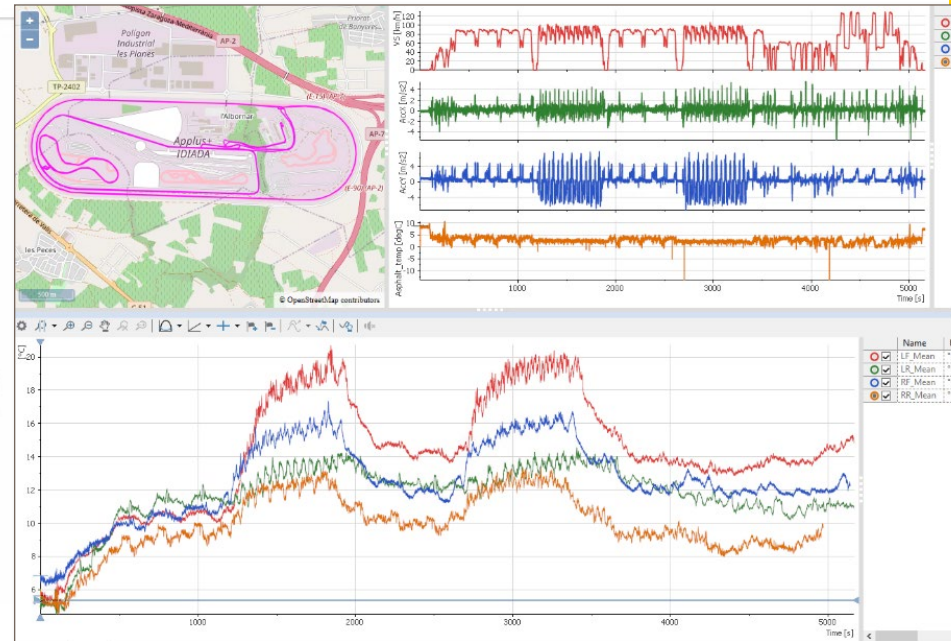
• Attendees ~80

- CPs:
European Commission, France, China, Germany, India, Japan, Norway, South Korea, Spain, Switzerland, UK, USA
- NGOs:
ADAC, AVL, ETRMA, ETRTO, HORIBA, IDIADA, ITMA, JAMA, JATMA, LINK, OICA*, SMMT, TRAC, TÜV Nord, UniBW., USTMA, VTI

Possible testing methods



LABORATORY



**IN-VEHICLE ACCELERATED
ON TEST TRACK**



IN-VEHICLE REAL LIFE

Task Force on Tyre Abrasion: start of work

Work

- Presentation and update of several studies on tyre wear/abrasion for consideration of the tyre abrasion test method and conditions

- **Vehicle method:**

IDIADA (EC funded project)

ETRTO

ADAC

OICA (tyre wear \neq abrasion)

Scope

C1, C2, C3

C1 (+C2, C3)

C1

C1

Timing

ongoing (end of Sept 22)

ongoing (2023)

finished

finished (could restart)

- **Accelerated Vehicle method:**

IDIADA (EC funded project)

C1, C2, C3

ongoing (end of Sept 22)

- **Drum method:**

JASIC

C1 (+C2, C3)

ongoing (2023)

ETRTO

C1 (+C2, C3)

to be started

Task Force on Tyre Abrasion: start of work

Next steps

- Evaluate the different test methods: creation of a small group to start working on a testing plan and to:
 - review all the received comments on the 3 methods.
 - start the discussion on setting all the details of the candidate testing methods at the next meeting
 - define a program of work to address the correlation activity once the testing methods have been fully defined by the TF TA
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