

Status report to 89th GRPE (May-June 2023)

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

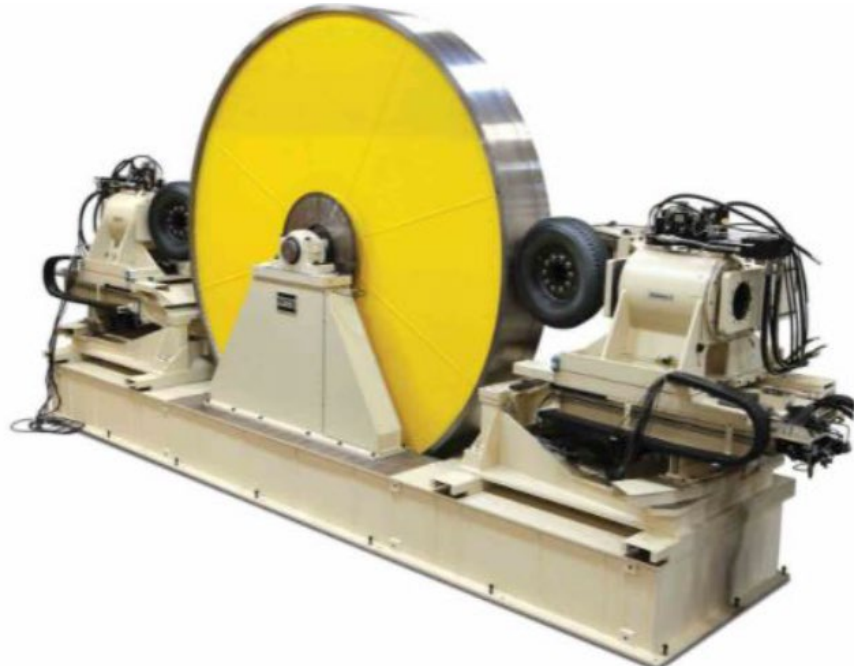
- 5th web-meeting: 30th Sept. 2022
- 6th hybrid meeting: 14th Nov. 2022
- 7th hybrid meeting: 9th Dec. 2022
- 8th hybrid meeting: 30th-31st Jan 2023
- 9th web-meeting: 10th Feb 2023
- 10th web-meeting: 10th March 2023
- 11th web-meeting: 30th March 2023
- 12th web-meeting: 28th April 2023
- 13th web-meeting: 11th May 2023



- Attendees ~80

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

Possible testing methods



LABORATORY



IN-VEHICLE REAL LIFE

Task Force on Tyre Abrasion: work progress

Work on the 2023 test campaign

- Validation and correlation test campaign for 2023: ongoing **for C1**
 - Test conditions and methods: defined (to finetune)
 - Tyres selections (candidate and “reference” tyres) for correlation : done
 - Tyres selections for alignment: done
- Start of the validation and correlation test campaign on 2 on-road test centres and 2 drum test centres

Task Force on Tyre Abrasion: next

Next steps

- Finalise the methods description
- Keep on the validation and correlation test campaign
- Perform the alignment test campaign on additional circuits and drums
- Draft the proposal of method(s) for GRPE review (January 24) and GRBP adoption (February 24)
- Once the method(s) is validated and finalised
 - Perform the market assessment (2024)
 - Define and introduce reference tyre(s) for abrasion test in ASTM standard
- Set the limits for abrasion
- Work on rating and definition of the mileage of tyres
- Evaluate and adapt or propose method(s) and rating to C2 and C3 tyres