Status report to 86th GRPE
(May-June 2022)

Task Force on Tyre Abrasion

On behalf of GRBP and GRPE
# Task Force on Tyre Abrasion

## Targets
- 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
- 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

• Attendees ~100
  • CPs: European Commission, France, China, Germany, India, Japan, Norway, South Korea, Spain, Switzerland, UK, USA
  • NGOs: ACEA, ADAC, AVL, ETRMA, ETRTO, oHORIBA, 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

<table>
<thead>
<tr>
<th>Work</th>
<th>• Presentation of several studies on tyre wear/abrasion for consideration of the tyre abrasion test method and conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>• <strong>Vehicle method:</strong></td>
</tr>
<tr>
<td></td>
<td>IDIADA (EC funded project)</td>
</tr>
<tr>
<td></td>
<td>ETRTO</td>
</tr>
<tr>
<td></td>
<td>ADAC</td>
</tr>
<tr>
<td></td>
<td>• <strong>Accelerated Vehicle method:</strong></td>
</tr>
<tr>
<td></td>
<td>IDIADA (EC funded project)</td>
</tr>
<tr>
<td></td>
<td>• <strong>Drum method:</strong></td>
</tr>
<tr>
<td></td>
<td>JASIC</td>
</tr>
<tr>
<td></td>
<td>ETRTO</td>
</tr>
</tbody>
</table>

| Next steps | • Evaluate the different test methods |