



UN Regulation No. 24

- UN R24, regulation to limit the visible smoke in order to avoid poor visibility situations on the road, has been successfully applied in type approval, road side inspection and PTI process ever since it was established.
- However, engines certified with UN R49-06 series (corresponding to Euro VI) have no smoke. They are either CI-engines with DPF or SI-engines which, by principle, have no smoke.
- CI-engines with DPF, even with a broken filter and/or with a type A or B OBD fault code, have smoke emissions less than 0,5 m-1 during free acceleration test and almost zero at steady state test. Note that the permitted production variability together with measurement inaccuracy is 0,5 m-1
- Thus, OICA is questioning if including UN R24 into the UN R49-06 series engine certification scope is still really needed.
- Depending on the feedback given by GRPE, OICA could prepare a working document for GRPE 82 in January.