

WLTP

Open Issue Phase 1B

Starting notes OIL #28 (Setting of Engine)

WLTP 9th Meeting

14 Jan. 2015

Technical Secretary

1. Comparison of current (R83) and new (GTR#15) description

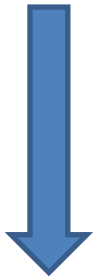
R83 Descriptions

3.1. Test vehicle

3.1.2. The exhaust device shall not exhibit any leak likely to reduce the quantity of gas collected, **which quantity shall be that emerging from the engine.**

3.1.3. The tightness of the intake system may be checked to ensure that carburation is not affected by an accidental intake of air.

3.1.4. The settings of the engine and of the vehicle's controls shall be those prescribed by the manufacturer. **This requirement also applies, in particular, to the settings for idling (rotation speed and carbon monoxide content of the exhaust gases), for the cold start device and for the exhaust gas cleaning system.**



Eliminate old-fashioned techniques (red portions)

GTR#15 Descriptions

1.2.4.3. The vehicle's exhaust system shall not exhibit any leak likely to reduce the quantity of gas collected.

1.2.4.4. The settings of the engine and of the vehicle's controls shall be those prescribed by the manufacturer.

2. Discussion Points

Comments from experts	status	Possible solution
1.2.4.4. is a rather general requirement.	Same contents are seen in the following sections. Main part / 5. General requirement / 5.1 ~ 5.3	can be erased
It is recommended to specify which kind of settings/controls are meant by this requirement	e.g. <ul style="list-style-type: none"> ✓ disable traction control and/or anti-lock brake system ✓ chassis dynamometer mode, maintenance mode for HEV ✓ additional run-in after regeneration ✓ others 	allow specific treatment requested by manufactures with (written document or approval of the responsible authority)
It is recommended to link this requirement to 'normal driving conditions' to prevent that a 'special' setting for type approval could be selected	No restriction is defined	
“engine” will not cover other powertrain devices		replace “engine” to “powertrain”

3. Initial Proposal

1.2.4.4. The settings of the engine and of the vehicle's controls shall be those prescribed by the manufacturer.



1.2.4.4. **At the request of the manufacturer and with (written document or approval of the responsible authority)**, the settings of the **powertrain** and of the vehicle's controls shall be those prescribed by the manufacturer

Note) The following requirement is missing in the current gtr.

Ask Ki TF leader to take care of this issue.

R83/Annex4a

6.6.9.3. For particulate mass sampling during a test when the regenerating device is in a stabilized loading condition (i.e. the vehicle is not undergoing a regeneration), it is recommended that the vehicle has completed $> 1/3$ of the mileage between scheduled regenerations or that the periodically regenerating device has undergone equivalent loading off the vehicle.