【Re wording (JPN)】

XX.XX. The time between dynamometer warm up and start of the Type 6 test

If the dynamometer has the additional equipment to stabilise the parasitic losses, (e.g. heated bearing, motorised bearing) test shall be started no longer than 30 minutes after the completion of warm up. When the method is other than using heater, the manufacturer shall have agreement with Responsible Authority to use that method.

If the dynamometer has no additional equipment to stabilise the parasitic losses, the test shall be started no longer than 20 minutes after the completion of warm up.

【Proposed text＋modification proposal by Japan(DRAFT)】

The time between dynamometer warming and the start of the Type 6 test shall be no longer than 20 minutes if the dynamometer bearings are not independently heated or incorporate another method of stabilising the parasitic losses e.g motorised bearings. If the dynamometer bearings includes a method of stabilising the parasitic losses as above,, the Type 6 test shall begin no longer than 30 minutes after dynamometer warming and in accordance with the dynamometer manufacturer’s recommendations.

If, in accordance with the dynamometer manufacturer’s recommendations, frictional losses of the dynamometer are stabilized without warming the dynamometer, the test can start following dynamometer manufacturer’s recommendations with agreement with Responsible Authority.

|  |  |
| --- | --- |
| **Dyno spec** | **Period to start test after Dyno warmup** |
| With method stabilizing the parasitic losses\*If using method other than bearing heater, follow recommendation from dyno manufacturer and get agreement with or approval by Responsible Authority | 30 minutes |
| Without method stabilizing the parasitic losses | 20 minutes |

【JRC/Volvo proposed text】

The time between dynamometer warming and the start of the emission test shall be no longer than 10 minutes if the dynamometer bearings are not independently heated or incorporate another method of stabilising the parasitic losses e.g motorised bearings. If the dynamometer bearings includes a method of stabilising the parasitic losses as above,, the emission test shall begin no longer than 20 minutes after dynamometer warming and in accordance with the dynamometer manufacturer’s recommendations.

If, in accordance with the dynamometer manufacturer’s recommendations, frictional losses of the dynamometer are stabilized without warming the dynamometer, the test can start following dynamometer manufacturer’s recommendations.

【UNR83 Text】

5.2.6. The time between dynamometer warming and the start of the emission test shall be no longer than 10 minutes if the dynamometer bearings are not independently heated. If the dynamometer bearings are independently heated, the emission test shall begin no longer than 20 minutes after dynamometer warming.