Test of a particulate reduction REC (Class I or II REC)

- Start
  - 1000h Durability testing; Paragraph 9
- Engine baseline emissions; Annex 5, 2.1
- REC requiring a reagent or additive?
  - YES
  - Specific requirements for REC requiring a reagent or additive; Paragraph 7.6 and 7.7
  - NO
- Performance requirements Paragraph 8 (REC and test engine in accordance with Paragraph 12)
- Secondary emissions requirements Paragraph 8.6
  - Continuously regenerating
    - Test of REC regeneration strategy; Annex 5, 4.1
  - Periodically regenerating
    - Active regeneration provisions?
      - YES
      - Test of REC regeneration characteristic; Annex 5, 4.4
      - Assessment criteria for periodically regenerating REC; Annex 5, 4.6
      - NO
- Particulate reduction REC in accordance with Paragraph 8 and Annex 5
  - no increase in $NO_2$
    - Determination of REC Class
      - Class I REC
  - Incremental increase of $NO_2$ not more than 20% (30%)
    - Test of $NO_2$ emissions; Annex 5, 4.7
      - Class II REC
      - Determination of the REC Class
Start

1000h Durability testing
Paragraph 9

Engine baseline emissions;
Annex 6, 2.1

YES

REC requiring a reagent or additive?

NO

Performance requirements Paragraph 8
(REC and test engine in accordance with Paragraph 12)

Secondary emissions requirements Paragraph 8.6

Determination of NO₂ emissions; Annex 6, 4.2 to 4.3

Requirements of the NOₓ control diagnostic system of NOₓ or NOₓ and PM reduction REC requiring a reagent; Annex 10

NOₓ Reduction REC in accordance with Paragraph 8 and Annex 6
Start

1000h Durability testing
Paragraph 9

Engine baseline emissions; Annex 5, 2.1 / Annex 6, 2.1

REC requiring a reagent or additive?

YES

Specific requirements for REC requiring a reagent or additive
Paragraph 7.6 and 7.7

NO

Performance requirements Paragraph 8
(REC and test engine in accordance with Paragraph 12)

Secondary emissions requirements Paragraph 8.6

Continuously regenerating

Test of the REC regeneration characteristic;
Annex 5, 4.4

Test of REC regeneration strategy;
Annex 5, 4.1

Periodically regenerating

Active regeneration provisions?

YES

NO

Assessment criteria for periodically regenerating REC;
Annex 5, 4.6

Requirements of the NOx control diagnostic system of NOx or NOx and PM reduction REC requiring a reagent; Annex 10

Particulate and NOx reduction REC in accordance with Paragraph 8 and Annex 7

Determination of NO2 emissions; Annex 6, 4.2 to 4.3