

Resolution 2 of the 1997 MARPOL Conference Technical Code on Control of Emission of Nitrogen Oxides from Marine Diesel Engines

Chapter 5.10.1

Chapter 5.10 Test report

Chapter 5.10.1 reads as follows:

For every engine tested for pre-certification or for initial certification on board without pre-certification, the engine manufacturer shall prepare a test report which shall contain, as a minimum, the data as set out in appendix 5 of this Code. The original of the test report shall be maintained on file with the engine manufacturer and a certified true copy shall be maintained on file by the Administration.

Interpretation:

For application of this section the term “as a minimum” shall be interpreted as incorporating the necessary data to fully define the engine performance and enable calculation of the gaseous emissions, in accordance with 5.12, from the raw data units to the cycle weighed NO_x emission value in g/kWh. The data set given under Appendix 5 should not be considered definitive and any other test data (i.e. engine performance or setting data, description of control devices, etc.) relevant to the approval of a specific engine design and/or on-board NO_x verification procedures must also be given.

With reference to appendix 5 of the Code it shall be further interpreted that:

- (a) The term “Deviation” as given under “Sheet 3/5, Measurement equipment, Calibration” refers to the deviation of the analyser calibration and not the deviation of the span gas concentration.
- (b) The fuel properties as given under “Sheet 3/5, Fuel characteristics, Fuel properties” shall, in those cases where a ‘DM’ grade fuel is used, include sufficient data to justify the ISO 8217 grade (i.e. DMA, DMB or DMC) as given on EIAPP Certificate Supplement 1.12 and hence as a minimum shall give the analysis results for water content (ISO 37733), carbon residue (ISO 10370) - full or 10% sample and, in the case of the DMA / DMB grades, Cetane Number / Index (ISO 4264).

Note:

This UI is to be uniformly implemented by IACS Societies from 19 May 2005.

