Fuel oil consumption guarantees for part and low-load optimised Tier II and Tier III engines

For Tier II engines that are SFOC-optimised for part-load or low-load operation, with either EGB (exhaust gas by-pass) or HPT (high-pressure tuning), it is understood that SFOC is important in that particular load range because this is where the engines will run most of their service hours. Therefore, it is obvious to locate the SFOC guarantee point in that same load range to secure the proper focus during the final matching of the engine.

We have added the following wording on fuel oil consumption guarantees in the recent version of the Marine Engine Programme released in June 2015 (p. 9):

For part-load or low-load tuning methods the SFOC guarantee point is limited to the range 50% to 85%.

For the time being, all Tier II engines can still be ordered with an SFOC guarantee point up to 100% SMCR. However, we strongly encourage engine manufacturers, shipyards and owners to start following the above-described selection criterion for the SFOC guarantee point.

Furthermore, we take the opportunity to clarify that Tier III engines are offered with only one Tier II tuning and one Tier III tuning, and the guarantee points can be selected according to the following:
- one guarantee point selected between 50% and 100% load for Tier II mode
- one guarantee point selected between 50% and 100% load for Tier III mode

Guarantees for load points under 50% should be avoided, because the inaccuracy of measurement and, thereby, tolerance will be unpractically high.

For both for Tier II and for Tier III engines, the tolerance on the selected guarantee point will follow the below table:
- guarantee point at 100-85% SMCR: 5% tolerance
- guarantee point at 84-65% SMCR: 6% tolerance
- guarantee point at 64-50% SMCR: 7% tolerance

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