

We thank the reviewer for his/her comments, which have helped us to improve this manuscript. We address each comment below, with our responses given in blue text.

Reviewer #1

Page 24639, line 20: It is recommended to report the rated power of the engine in a SI unit instead of khp.

We now include rated power in kW and khp.

Page 24653, line 11 ff: The recent study by Righi et al. (2011) on the climate effects of low-sulphur fuels in global shipping should be included in the discussion.

We have added a reference to Righi et al. (2011).

Page 24654, line 15: Please introduce F_{econ}

Done.

References:

Buffaloe et al.: Please update of possible

Updated.

Petzold et al., 2013: Please cite ACP paper (Petzold et al., 2013)

Updated.

Ryerson et al.: Please update is possible

Updated

Page 24667, Table 1: Please explain Wt. Ave (most likely weighted average)

Yes, a weighted average. The table has been updated with an additional footnote.

Page 24672, Fig. 5: Please refer to eBC instead of BC where appropriate; this would then be consistent with the remaining paper.

We have updated the figure caption and text, where appropriate, to indicate when eBC is being discussed specifically.