

Comments from GASQUAL project co-ordinator

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CONSULTATION QUESTIONS

Invitation to respond

We welcome any feedback that interested parties may wish to make regarding this report. In particular we seek responses to the following questions:

- Do you agree with the high-level conclusions of this report?
- As a manufacturer do you maintain an inventory of installed appliances?
- Are there any specific gas quality related issues not recognised within this report?
- Do you manufacture appliances that can operate over the full EASEE-gas specification without loss of efficiency or increased of emissions?
- Do you have evidence of damage or failures caused by appliance operating on gas that is not compliant with the local gas quality specification?
- Would you support the adoption of the proposed EUROMOT gas quality specification, (Appendix B)
- Are there any specific circumstances that should be assessed in detail?
- Do you consider that the data used to undertake this analysis is sufficient to support the conclusions presented in this report?

The GASQUAL data results were not fully available at the time of the preparation of the CBA report and in the light of those results that are known today, there are a number of weak points in the CBA report and especially for the replacement options & cost.

It appears that for an important number of segments of appliances defined in the GASQUAL study the gas quality change will only have a small impact and as a result it would not require the replacement of those appliances as suggested in the report.

Also in the cases of appliances that are adjusted having issues, the problem can be solved by readjusting those back to G20. This is what is presently done in Denmark.

Finally in many cases; high or moderate impact of the Wobbe it is due to the combination of Wobbe variation AND variation of another parameter such as gas pressure or voltage and not Wobbe variation alone. As a result there may also be - for some appliances- also ways to reduce the impact of gas quality variations with adequate technical solutions (e.g. Pressure regulators – combustion controls).

Therefore the replacement options should be refined.

- Should significant effort be made to improve the data used in the analysis presented in this report?

We would suggest that the replacement scenarios should be revised taken into account the most recent results from GASQUAL.

- Do you have access to further data that could (if it were made available) improve the quality of the data used in the analysis presented in this report?

See above

- Can you provide typical detailed gas composition at cross border points?
- If so, can this data be made available (respecting confidentiality, as required)?
- How should data be collected for such a study?