

Evaluation of particulate emissions when using Xp3 diesel fuel additive in a transit bus in London, England

Test Lab

Millbrook Proving Ground Ltd.
BedfordMK45 2JQ, England
<http://www.millbrook.co.uk/>
Report No IVIBK 970165

Objective

To assess the effect of XP3 fuel additive on regulated emissions and particulate size, when run on a London Double Decker Bus.

Unit Tested:

Double Decker Bus – urban transporter from the local transit system in London, England

Test Procedure

- Hot emissions tests, driven to the Millbrooks London Transport Bus (MLTB) cycle, were successfully completed.
- Two test with standard RF73 Reference fuel were conducted prior to addition of the XP3 formulation.
- After adding XP3 in the ratio 15 ml to 60 liters, the vehicle was conditioning and two further emission tests run.
- The test repeatability was shown to be very good and the confidence in the results is very high

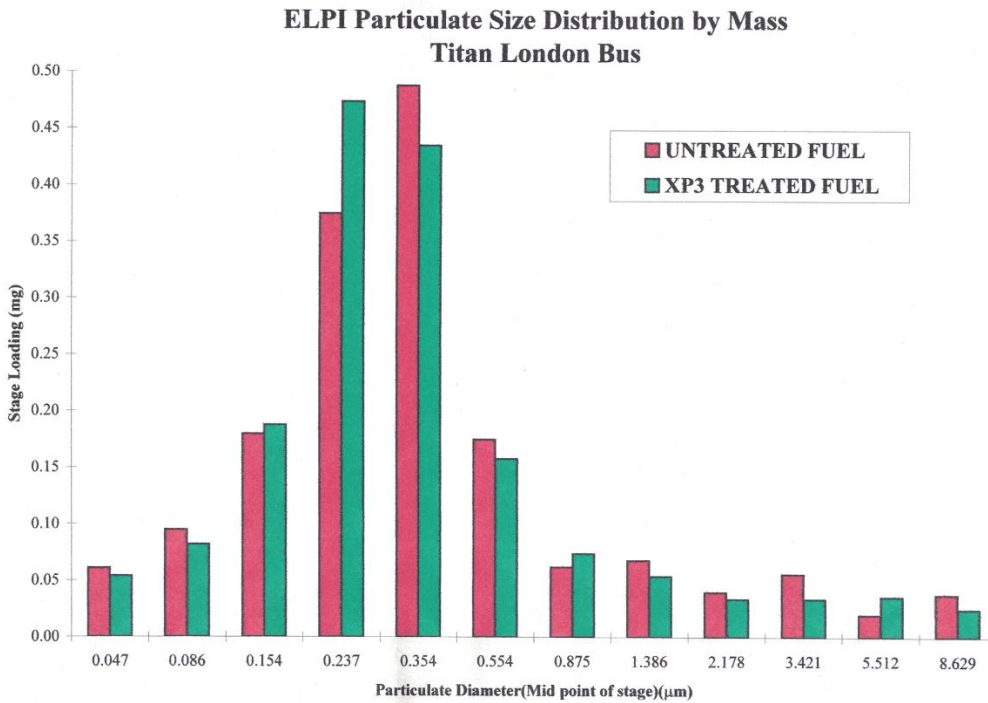
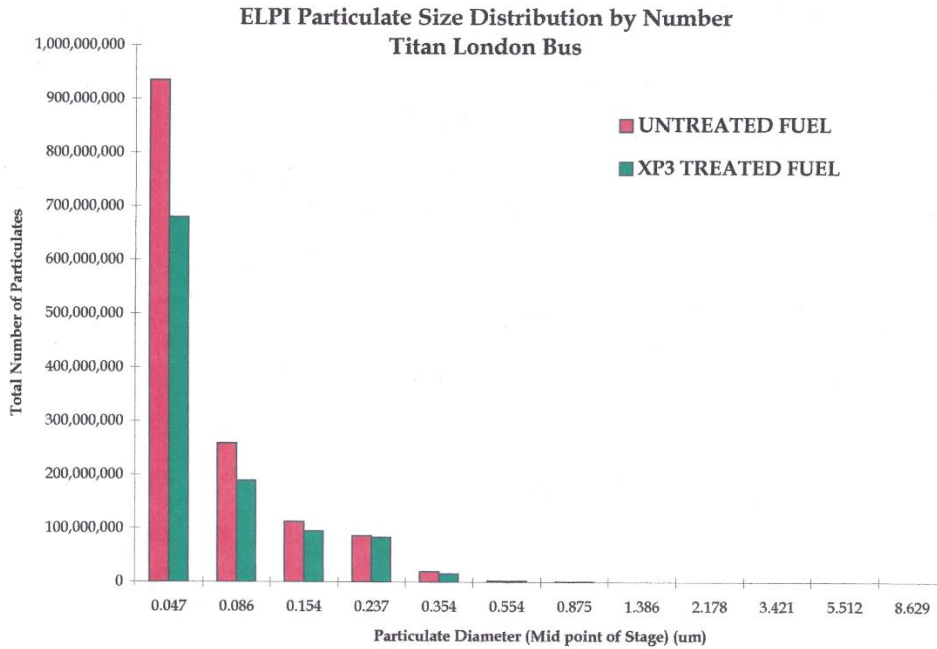
Conclusions

- Particulates showed a reduction of 10.8%
- ELPI particulate size analysis indicated a small reduction in the number of smaller particles (less than 0.2um) with a corresponding reduction in the mass at these sizes.
- The additive gave slight reduction in HC and CO, and almost no change in NOx.

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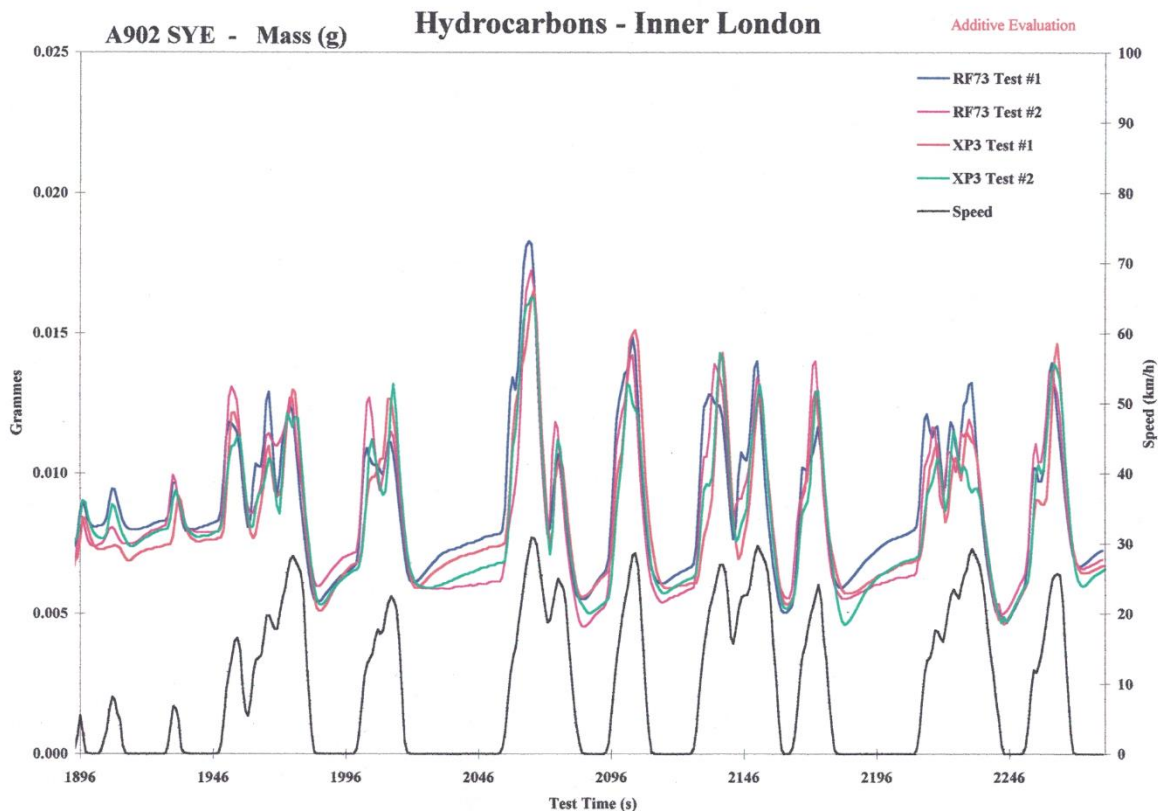
LAB TEST RESULTS



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