

Tallin 2014 – test diesel fuel after processing by TRGA homogenizer

Engine testing was performed on 4th of November 2013, start of the test was at 11.00 and the end at 14.00 .

Temperature in the laboratory was 18 °C and barometric pressure 740 mm Hg. Results of the testing are presented in table 2.

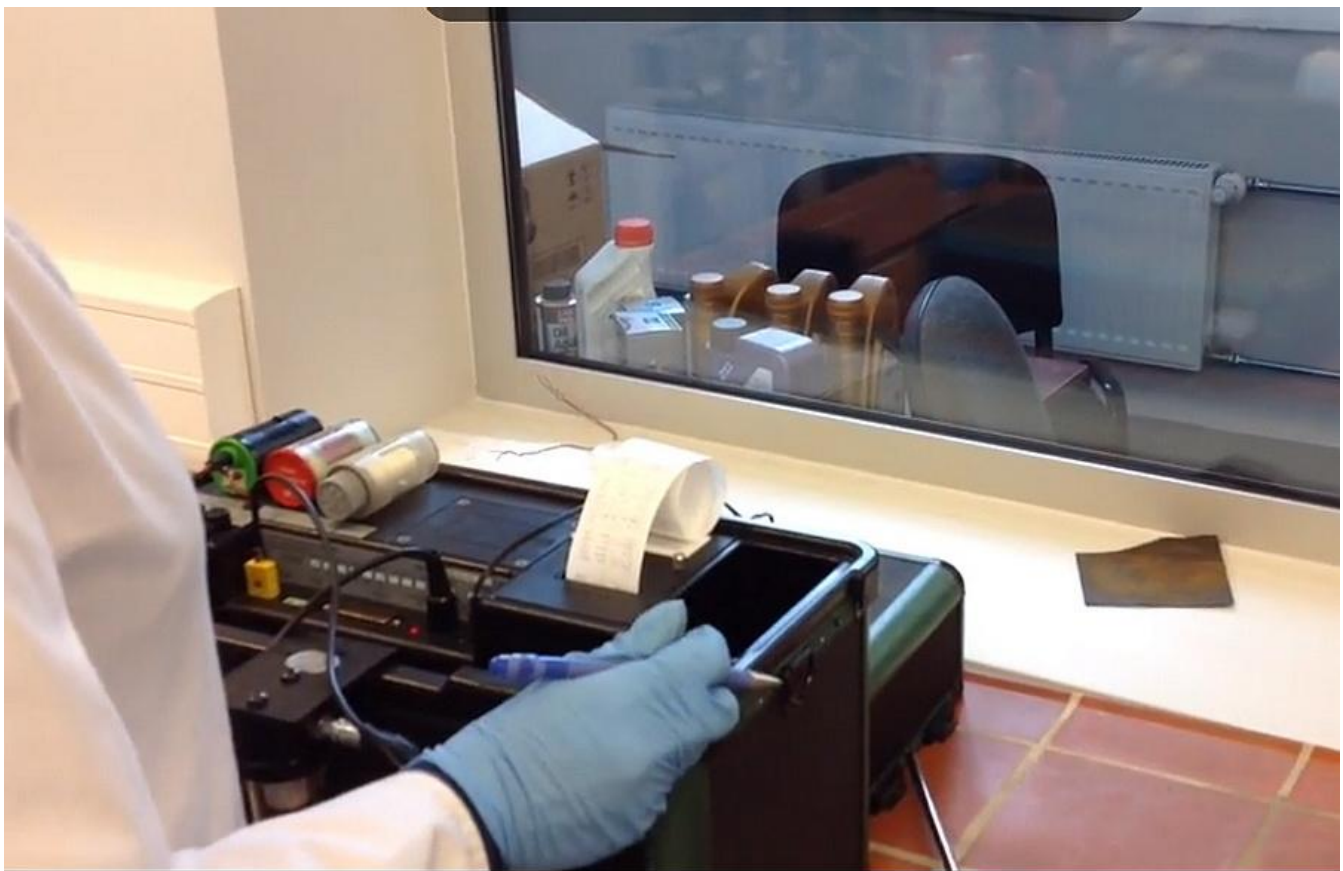
Tabel 2. Engine test results with light ship fuel. Oxygen concentration $O_2=3\%$

Parameter	unit	Light diesel fuel not activated	Light diesel fuel activated	% of change
Engine rotation speed	Min ⁻¹	2080	2080	
Engine power	kW	4,8	4,8	
Fuel consumption	g/min	13,2	12	-9,1
Carbon monoxide (CO) concentration	ppm	851	607	-28,5
Carbon dioxide (CO ₂) concentration	%	12	13	+8,3
Nitric oxide (NO) concentration	ppm	1063	647	-39,1
Oxides of Nitrogen (NO _x) concentration	ppm	1112	674	-39,4
Sulphur dioxide (SO ₂) concentration	ppm	0	0	

<https://www.youtube.com/watch?v=nVvQFSkOKMI>







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Tests performed
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