

Conclusion of experiments with equipment of Super Tech

1. **Subscriber of experiments:** “V-Auto LV” Ltd., Legal address Saules 108-16, Ventspils, LV-3601
2. **Objective of experiments:** prescribe influence of Super Tech equipment diesel engine for fuel consumption.
3. **Place and time of experiments:**
Scientific Laboratory of alternative fuels, 2 P. Lejina, Jelgava, LV-3001,
May 13, 2009.
4. **Object of experiments and wellhead equipment:**
Truck Volvo FH12, diesel engine, year 2004;
Powerful dynamometer Mustang MD 1750;
AVL KMK Mobile fuel measurement system.
5. **Schedule of test**
Fuel consumption is tested on truck Volvo FH12 without semi-trailer and load;
Truck’s net weight 7400 kg.
 - Idle running;
 - Regime with fixed speed 50 km/h (without load);
 - Regime with fixed speed 90 km/h (without load).

6. Results of experiments:

Working conditions	Fuel consumption		Efficiency with SuperTech %
	Truck without SuperTech	Truck with SuperTech	
Idle running	1.928±0.012 l/h (0.46%)	1.882±0.024 l/h (0.64%)	2.38
50 km/h	15.942±0.076 l/100 km (0.24%)	14.610±0.117 l/100 km (0.40%)	8.36
90 km/h	18.782±0.052 l/100 km (0.14%)	16.190±0.062 l/100 km (0.19%)	11.77

Calculus was made with precision 95%. The results in table: measurements episode’s normal value ± 2 standard errors. Coefficient of variation in parenthesis. Coefficient of variation calculates divide measurements episode’s standard error by measurements episode’s normal value. If the coefficient of variation is ≤ 3%, punctuality of measurement is high.

Responsible persons for test performance:

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