Research Report 2012

Determination of VOC and PM10 emission concentration and air quality in the vicinity of S.C. TMD FRICTION ROMANIA SRL Caransebes

Goal of the project:

Determination of gaseous and solid pollutants from indicated working point inside and outside the unit.

Short description of the project:

The product of the research activity for the client is the analysis report. The quality of the report is connected to the quality of the information it contains. For this reason, the precision of detecting the experimental data is an important requirement. The accuracy of the report is based on this precision. The instruments used for measurements are: TESTA FID 123, TESTO 350XL analyzer and LSV3 analyzer, all being metrological controlled and working according EU methods.

Project implemented by:

LaCIEDiN - Laboratory for Fuel Analyses, Ecological Investigations and Pollutant Dispersion

Main activities:

Project steps: organizing of the relevant measuring sites, measurements in situ, results processing, data interpretation and preparation of analysis bulletin, quality control.

Financed through/by:

S.C. TMD FRICTION ROMANIA SRL

Results:

•PM10 concentrations (environmental air);
•CO, CO_2, NO, NO_2, NOx and SO_2 concentrations (from emission);

•VOC from gaseous effluent, indicated as TOC (from emission).

Fields of interest:

The LaCIEDiN- Laboratory acts according standard SR EN ISO/CEI 17025:2005 and it is RENAR accredited with certificate no. LI 787 from 22.06.2009.

Research team:

Prof. Dr. Eng. Ioana Ionel, Assist. Prof. Dr. Eng. Francisc Popescu, Dr. Eng. Nicolae Lontis, Assist. Dr. Eng. Gavrila Trif – Tordai

Research centre:

Research Centre for Thermal Machines and Equipments, Transportation and Environmental Pollution Control

Aplicability and transferability of the results:

On customer request, the analysis reports are confidential. Questions and information should be addressed directly to the customer.

Implementation period:

May 2012- December 2012

Contact information:

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