

CFADAGA2004/698 Low Noise Urban Truck Project

L. Greverie^a and B. Favre^b

^aManufacture Française des Pneumatiques Michelin, Centre de Technologies Ladoux, 63040
Clermont-Ferrand Cedex 9, France

^bRenault VI, Avenue Henri Germain, 69802 Saint-Priest, France
ludovic.greverie@fr.michelin.com

As regards environment, the reduction of noise in urban areas is one of the major concerns of the European Union, and in particular of France.

Michelin, in partnership with Renault Trucks, INSA and Marmonier propose within the framework of a PREDIT project to work on noise reduction of urban trucks.

The objective is to obtain, under urban use conditions, noise characteristics improved from at least 50% compared to existing situation. The originality of this project is on the one hand the wish to treat all the sources (driving, idle, tailgate, tailboard, shocks of handling, refrigerating unit...) and on the other hand to be interested not only in the regulation levels but also in the quality of perceived sound by the residents. This project should end up in 3 years.

Within the framework of this conference, a presentation of the first results, specially regarding the tire, will be made.

The complete document was not available at the publication time. It has been replaced by the submitted abstract.