



PRESS RELEASE

1 July 2011

Contact: **Ms Petra Tutsch**
Phone: (+49 69) 6603-1457
Fax: (+49 69) 6603-2457
E-mail: petra.tutsch@euromot.eu

Nonroad Machinery & Local Air Quality Action Plans

New Euromot Guidelines on Local Nonroad Emission Reduction Measures

IC Engine Manufacturers together with the OEM industries have developed guidelines on voluntary local measures to reduce exhaust emissions from nonroad mobile machinery to share industry's technical expertise and know how with the regulator. Although as a basic principle industry do not see the need for technology requirements exceeding existing exhaust emissions legislation, we acknowledge the localised nature of air quality issues and subsequent local regulations. In this context, the new guidelines are issued to make the regulators aware of good engineering practices in order not to jeopardise, for example, the safety, durability or noise behaviour of a machine.

It is recognised that Member States have been obliged for some years to monitor local air quality and, where there is a risk of exceeding the EU limit values, draw up action plans to reduce the risk or limit the duration of such an occurrence. Such plans may, depending on the individual case, provide for measures to control and, where necessary, suspend activities, including motor-vehicle traffic, which contribute to the limit values being exceeded. The EU Ambient Air Quality Directive (1999/30/EC as amended by Directive 2008/50/EC) makes clear that Member States shall ensure that the concentration in ambient air of certain pollutants, including the mass concentration of very small particulate matter (PM10 and PM2.5), does not exceed certain limit values. The Directive additionally sets a 'national exposure reduction target' to reduce ambient concentrations further by 2020.

The emissions from newly purchased nonroad machines used for construction, agriculture and industrial activities (such as diesel-powered excavators, loaders, tractors, harvesters, telescopic handlers, etc) within the EU have been progressively reduced since the publication of the first nonroad engine emission limits in 1997 (EU Nonroad Mobile Machinery

Engines Directive 1997/68/EC).

The manufacturers of these nonroad machines and their engines always have been committed to continue with this environmental improvement: Commencing 1st January 2011 a further very aggressive reduction in the overall mass emissions of particulate matter (PM) is being progressively provided by the phased introduction of new stage IIIB machines. These new machines will reduce these emissions by around 90% compared with 2010 limit values, in addition to reducing the emissions of oxides of nitrogen (NOx) by as much as 50%. Then, starting in 2014, an additional 80-90% reduction in NOx is planned through the introduction of Stage IV.

Nevertheless, it is recognised that there are considerable quantities of older machines that will still be in use throughout the EU for many years more. Those Member States or local authorities considering the introduction of controls on the use of nonroad machines as part of local air quality action plans should recognise the air quality benefit of the use of new machines (which will also meet all the latest safety and noise emission requirements). Consequently, such use controls should encourage, and not limit the use of the newer machines that meet the latest EU emission requirements.

The “Guiding Principles for Local Air Quality Action Plans relating to the Use of Nonroad Mobile Machinery” established by EUROMOT, CECE (construction equipment) and CEMA (agricultural and forestry equipment) include:

- General requirements
- Retrofit Device – Performance Verification
- Machine Installation: Requirements & Performance Limitations / Essential Health & Safety Requirements

In the event that regulation of the use of existing nonroad mobile machines is considered, then, prior to drawing up such a local scheme, a careful review of the principles outlined in this document is recommended. The industry associations EUROMOT, CECE and CEMA named on the document would be available to discuss these principles and provide advice on their implementation.

The guidelines can be downloaded from our website: www.euromot.eu

EUROMOT represents the leading manufacturers of internal combustion engines in Europe, USA and Japan. Their products are used in a broad range of nonroad, marine and stationary applications: construction, mining and material handling equipment, trucks and buses, agricultural and forestry equipment, commercial marine and seagoing vessels, workboats and pleasure boats, rail traction, lawn/garden and recreational equipment, power generation. Our members employ all over the world about 200,000 thoroughly skilled and highly motivated men and women. The European market turnover for the business represented exceeds 25 bn euros.

EUROMOT has been working for many years with regional and international regulatory bodies, e.g. the European Commission, US EPA, the United Nations' Economic Commission for Europe (UNECE) and International Maritime Organization (IMO), and with national governments to provide reliable know-how on advanced internal combustion engine technologies in general and, in particular, on the feasibility of environmental as well as cost-effective product regulations.