

**RDE (Real Driving
Emissions) för
arbetsmaskiner
och andra fordon**


SLF 2015-11-26



TRAFIKVERKET

"Defeat devices"

West Virginia University
What Greatness Learned




CAFE
Center for Alternative Fuels, Engines & Emissions
West Virginia University

Final Report

In-Use Emissions Testing of Light-Duty Diesel Vehicles in the United States

Prepared by:
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

SEP 18 2015

OFFICE OF ENFORCEMENT AND COMPLIANCE ASSURANCE

VIA CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Volkswagen AG
Audi AG
Volkswagen Group of America, Inc.
Thru:
David Geanakopoulos
Executive Vice President Public Affairs and General Counsel
Volkswagen Group of America, Inc.
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Notice of Violation

Geanakopoulos and Mr. Johnson:

The Environmental Protection Agency (EPA) has investigated and continues to investigate Volkswagen AG, Audi AG, and Volkswagen Group of America (collectively, VW) under the Clean Air Act (CAA), 42 U.S.C. §§ 7401–7671q, and its implementing regulations. In this Notice of Violation (NOV), the EPA has determined that VW installed defeat devices in certain model year 2009 through 2015 diesel light-duty vehicles with 2.0 liter engines. These defeat devices bypass, defeat, or render inoperative the vehicles' emission control system that exist to comply with CAA. Therefore, VW violated section 203(a)(3)(B) of the CAA, 42 U.S.C. 203(a)(3)(B). Additionally, the EPA has determined that, due to the existence of the defeat devices, VW violated section 203(a)(3)(B) of the CAA, 42 U.S.C. 203(a)(3)(B).

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Business News | Mon Sep 21, 2015 10:02pm EDT

Volkswagen's 'clean diesel' strategy unraveled by outside emissions tests

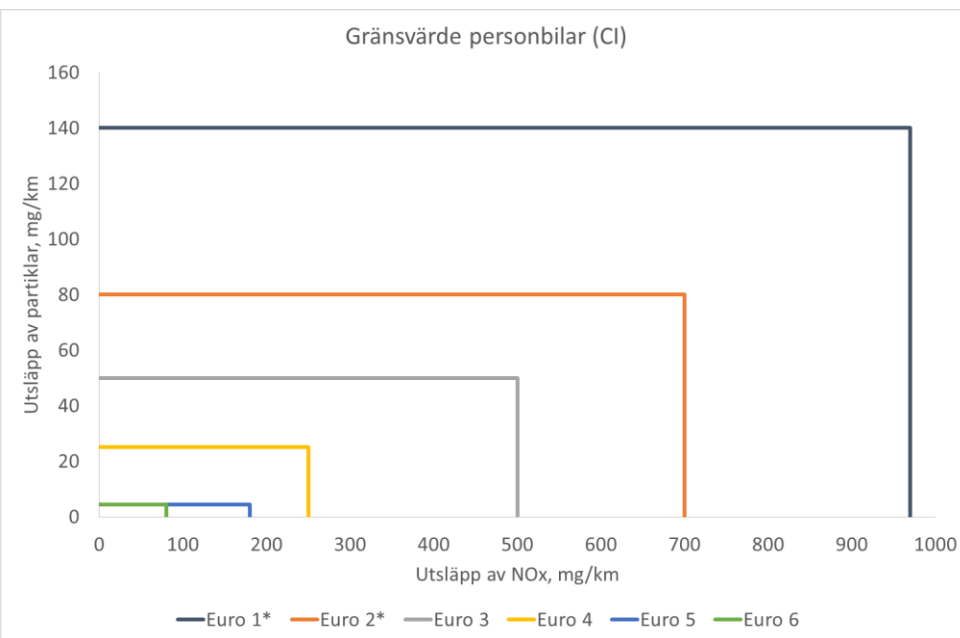
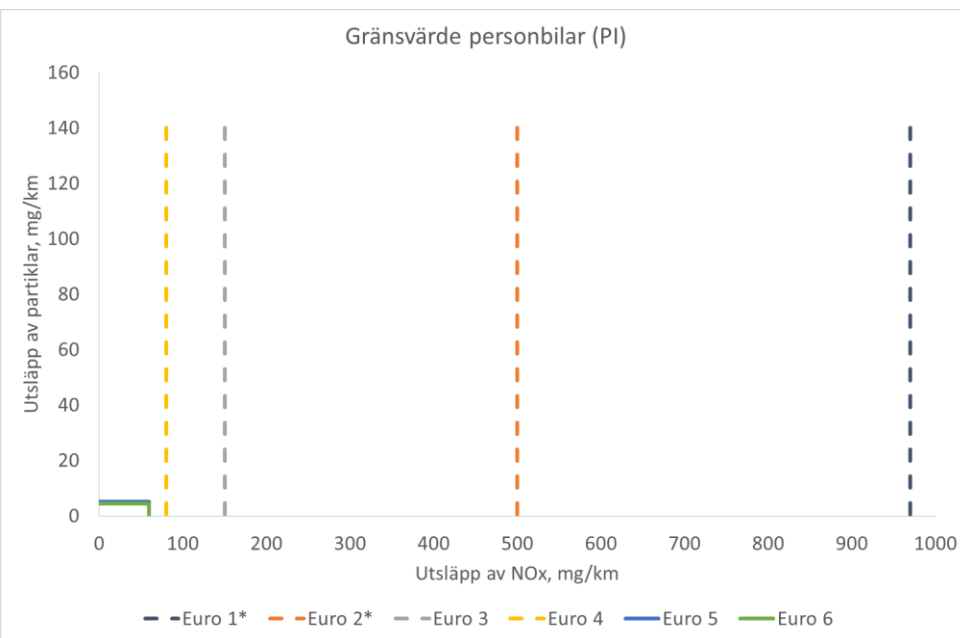
DETROIT/WASHINGTON | BY PAUL LIENERT AND TIMOTHY GARDNER

When the International Council for Clean Transportation (ICCT) commissioned researchers at West Virginia University to test diesel car emissions in 2013, the group expected to find that diesel cars sold in the U.S. emitted fewer pollutants than cars sold elsewhere because they had to meet tougher standards, ICCT officials told Reuters on Monday.

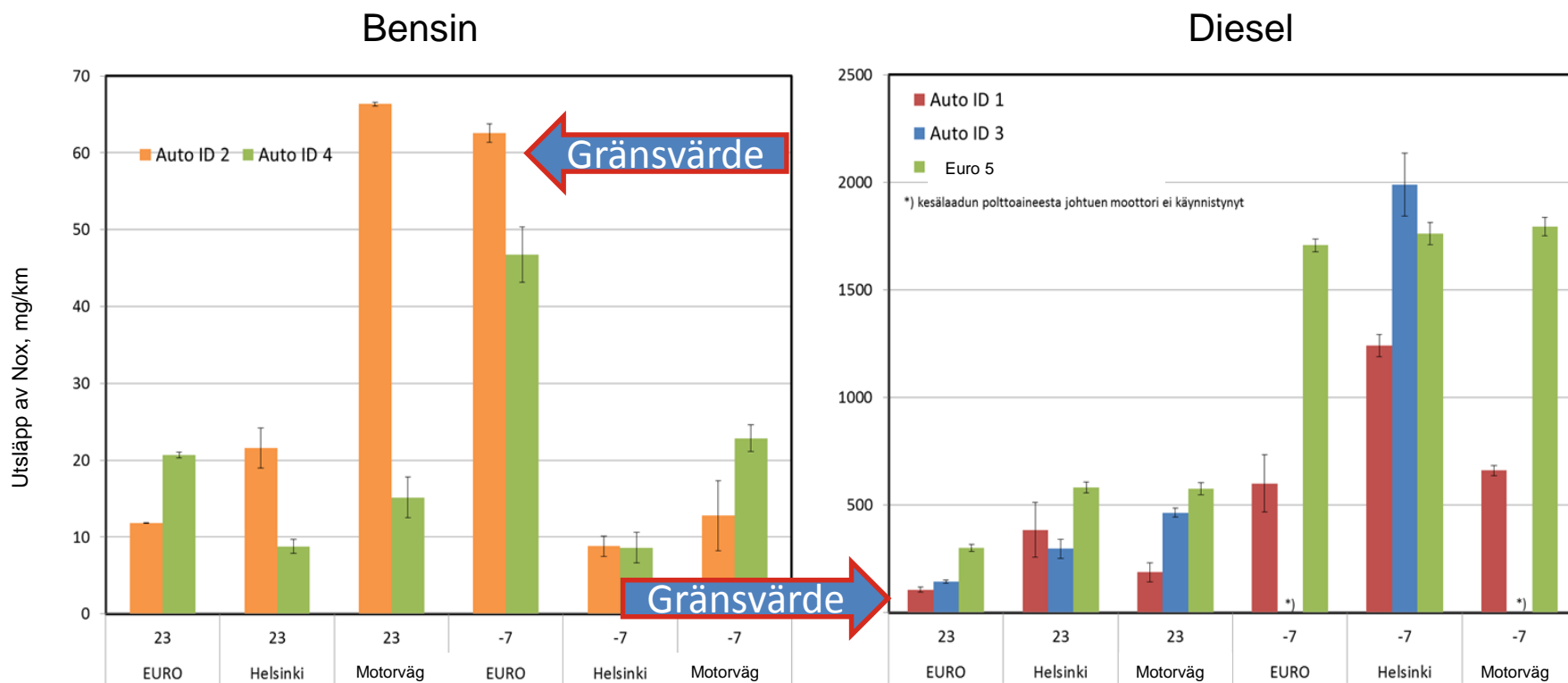
DRUG PRICING

Pharm

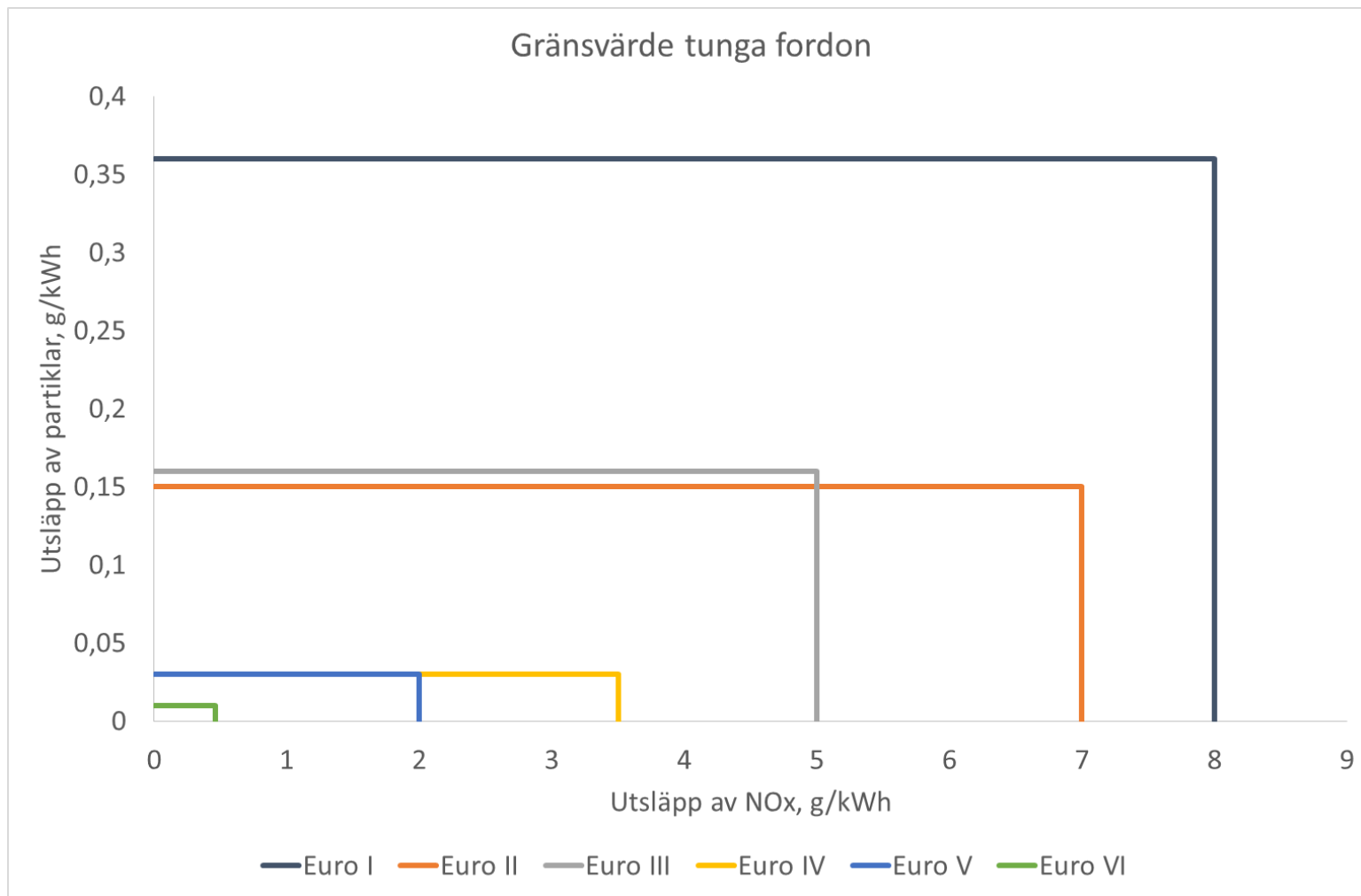
Personbilar: Gränsvärde



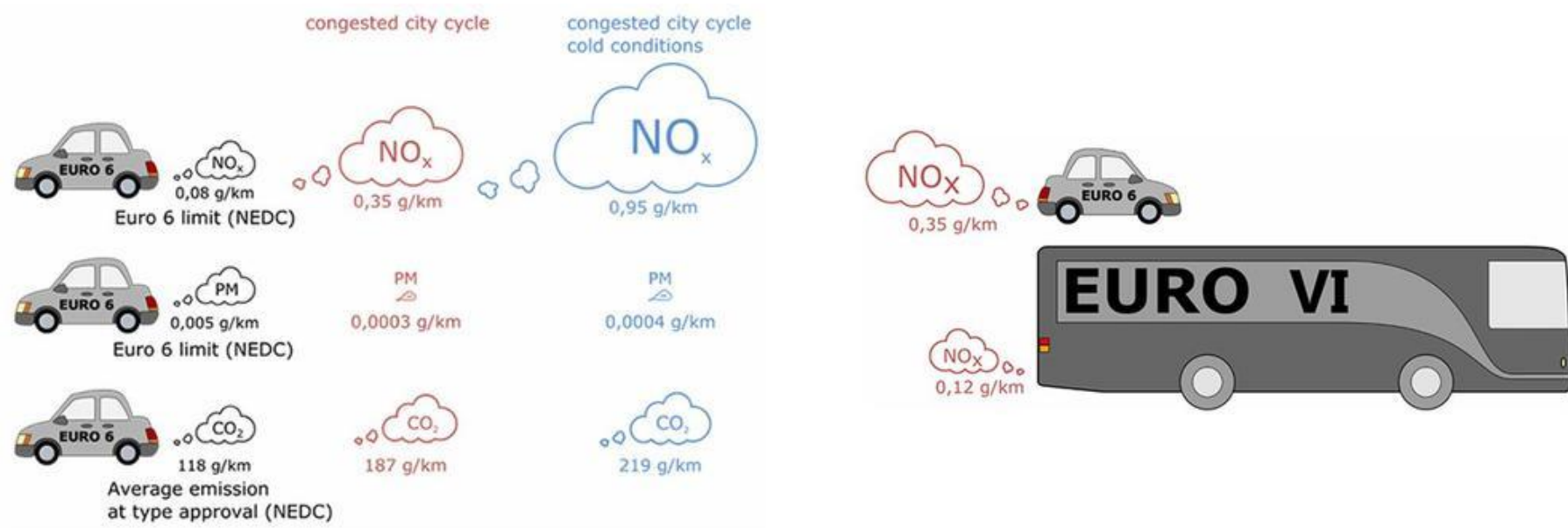
Personbilar: Verkliga utsläpp (Euro 6)



Tunga fordon



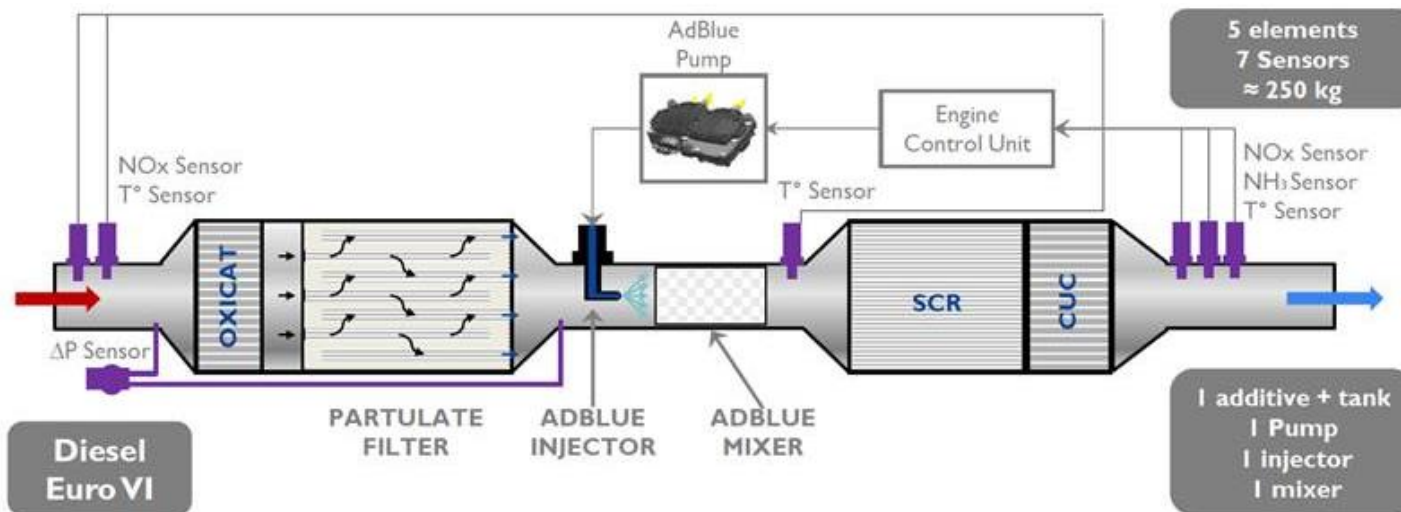
Test cykel respektive verkliga utsläpp (diesel)



Teknik för avgasrening



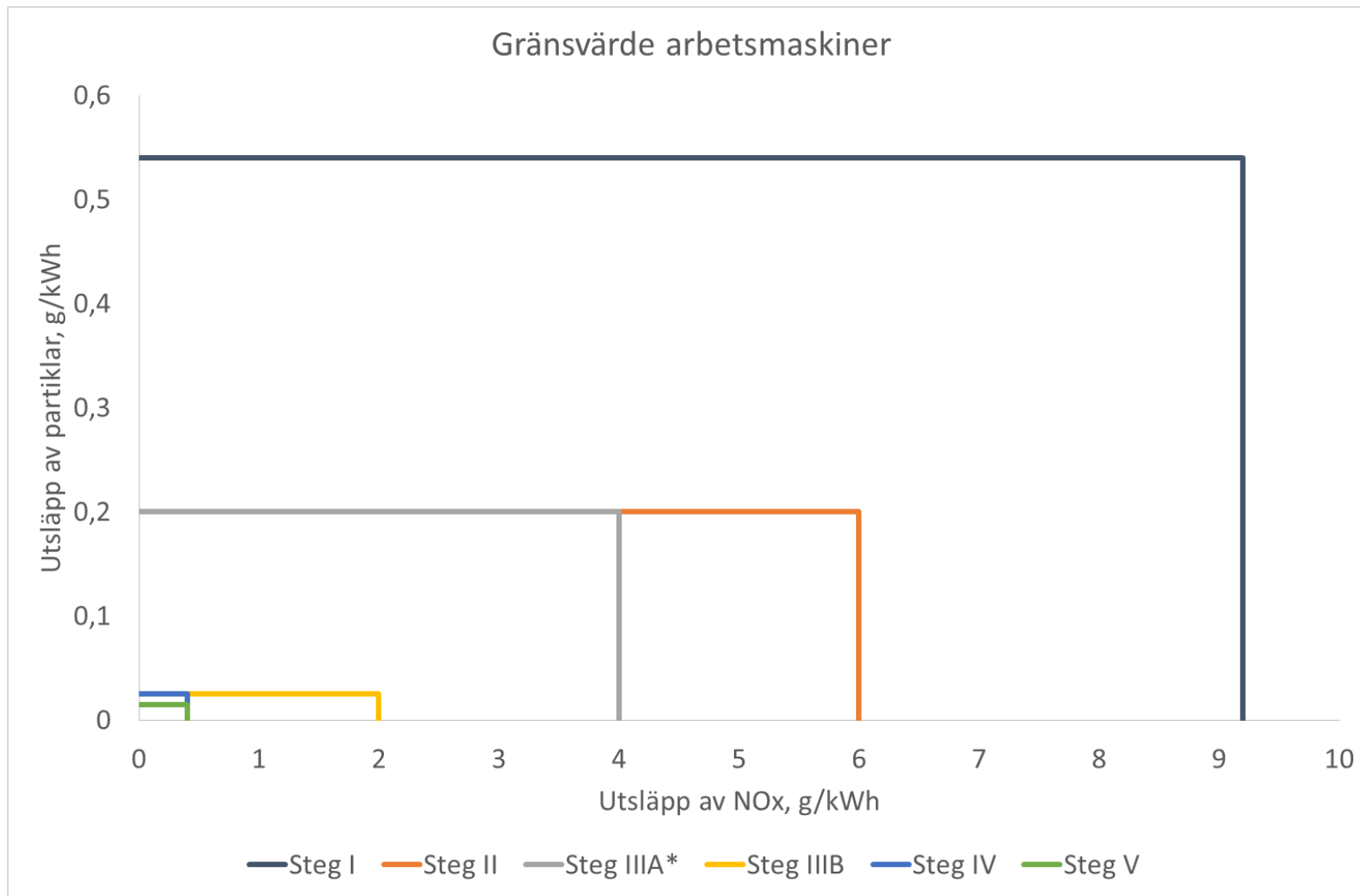
Bensin



Diesel

Figur: IVECO

Arbetsmaskiner



Arbetsmaskiner: Verkliga utsläpp



Arbetsmaskiner: Verkliga utsläpp

Steg IIIA



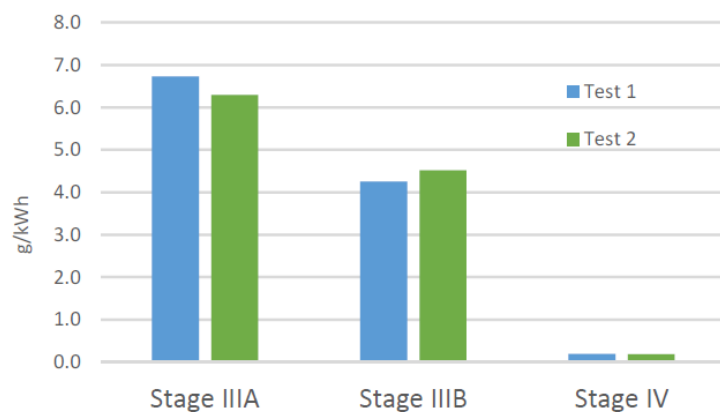
Steg IIIB



Steg IV



Emissions of NOx from the different machines



Emissions of PM from the different machines

