



RDW

Tampering with emissions

Legislation must be adapted

Hens Peeters Weem

RDW

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Agenda:

1. Introduction to RDW
2. What is the problem
3. Current legislation and Directive 2014/45
4. Further possible steps
5. Looking further ahead





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- RDW: The Netherlands Vehicle Authority in the mobility chain
- RDW is a non-departmental public body that performs its tasks on behalf of the Ministry of Infrastructure and Water Management



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Assigned and legal tasks RDW



Massa leeg Voertuig	1.345 kg	Registratiedatum	27-08-2009
Laadvermogen	N.v.t.	Datum eerste afgifte Nederland	
Toegepaste maximum massa voertuig	1.805 kg	Wacht op keuren	Nee
Massa rijklaar	1.445 kg	Geregistreerd als gestolen	Nee



Registration of
vehicles and drivers
licenses

Admission exceptional
transports

Data provision

Road side inspections

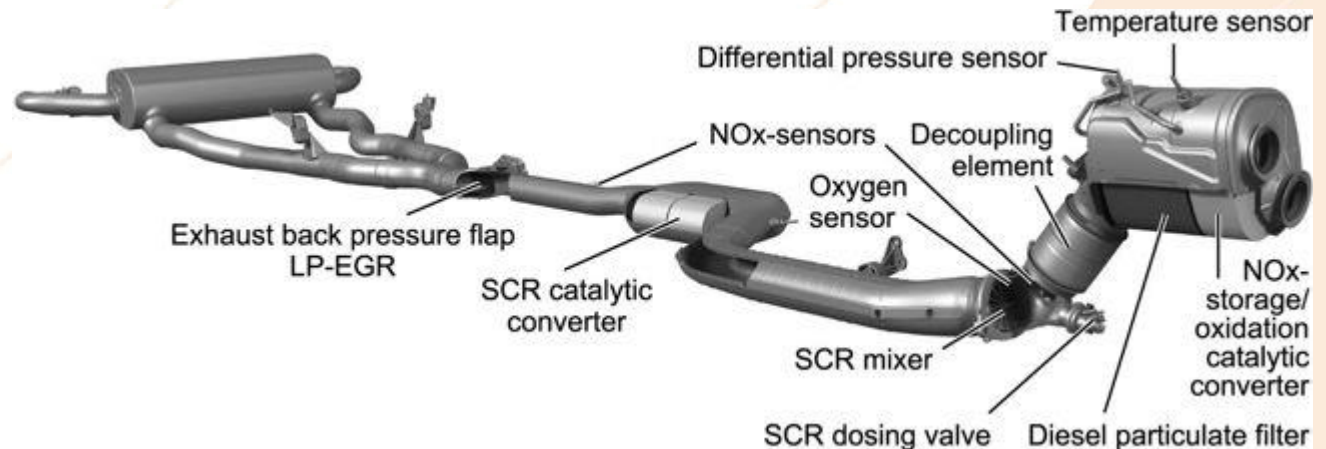


What is the problem?

In the past: Engine adjustment determines emissions; After treatment only noise reduction



Current time: Engine adjustment not important for pollution, after-treatment ensures clean emissions



ction

Refine Results



OBDSTAR X300M Odometer Adjustment OBDII Special Mileage correction Tool

\$289.00

Buy It Now

View Details

Condition: New

Time left: 13d 12h 50m

Item location: China

Sold by: obd2seller (127★)

At this moment emissions checks can be done by reading the EOBD of a car, a quick check but.....



2016 NEW OBDSTAR X300M Special for Odometer Adjustment and OBDII Correction Tool

\$312.00

Buy It Now

Free Shipping

Modern Diesel vehicles have almost no smoke/PM/PN pollution when they are new, after a few years in PTI we see:

- Switching off emission systems
- Chip tuning
- Manipulation of in car software / software updates / recalls
- Removing of DPF, rewrite software
- Tampering SCR Catalyst
- Mileage fraud

A challenge in our PTI



In May 2018 directive EU/2014/45 went into force

Regarding the earlier mentioned problem:

1. The current test values in the directive are too broad
2. The current test equipment in the directive is not precise enough
3. We need different tests than prescribed and road site inspections
4. More exchange of vehicle data
5. The need for type approval data from OEM
6. EU or UNECE approach

The directive was already outdated at some points when entered into force

3. We need a different test than prescribed

A particle counter must be developed for PTI on vehicles:

- Quick measurement
- Not too expensive
- Robust
- Indoor and outdoor use
- Approve/rejection result
- Available in large numbers
- Calibration at location
- Ability to connect to EOBD
- No or low increase in administrative burden



In the Netherlands a cooperation of 4 organizations

NMI: Is the independent specialist for testing, certifying and training in the field of Metrology

TNO: is an independent research organization

Ministry of Environment and Water Management
(official sponsor of the ETH conference)
Responsible for the regulation

RDW The Netherlands Vehicle Authority in the mobility chain
Responsible for the implementation and supervision of PTI in the Netherlands

Workshop NPTI in Switzerland together with specialists in the field of Nano-particles, Manufacturers of equipment, Policymakers of Germany and Belgium



Next steps:

1. Specifications for a Particle Counter NMI
2. *draft will be sent broad in the EU for comment*
3. Developing a test method TNO
4. Setting threshold values TNO
5. Changing National Regulations Min I&W
6. Implementation in the PTI. RDW
7. Exchange of best practices Min I&W and RDW
8. Sharing these results with interested organizations, EU Commission and Committee and countries



Planned phased introduction of DPF-test in the Netherlands

- Phase 1: DPF-test at RDW test stations 2019
- Phase 2: DPF-test at road side inspections 2019 -2020
- Phase 3: Mandatory DPF-test in PTI 2021
- Parallel: Voluntary control of DPF's by car shops 2019 -2020

(Years are only indicative and not officially announced.)



Future

2020: evaluation of the 2014/45EU
Modernise the Directive

Topics to deal with:

Connection with the type approval
In car compliance
Software security / updates

Enforcement:

Connected cars
On-road vehicle emissions remote sensing
Roadside inspections



Thank you for your attention



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