

Principle approval scheme for particulate filters

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Introduction for particulate filter customers

The Danish Road Safety and Transport Agency has established a principle approval scheme for particulate filters for motor vehicles. The principle approval ensures that the particulate filter system satisfies the Road Safety and Transport Agency's requirement specification. A principle approval is proof that the filter is sufficiently effective in reducing particulate emissions, that the filter does not result in other types of air pollution, and that satisfactory procedures with regard to the work environment during maintenance of the particulate filters have been established.

The principle approval is voluntary, and it is paid for by the applicant.

By buying a principle approved particulate filter you can be certain that the system works. But particulate filter systems vary with respect to e.g. the exhaust temperatures that are needed for regeneration and thus the operation conditions and vehicle uses the particulate filters will be suitable for. As a particulate filter customer, therefore, you must make sure that the particulate filter system suits the vehicle it is intended for. You can do this by asking the particulate filter manufacturer to certify that:

- the particulate filter system suits the specific vehicle. This means that the filter is suitable for the engine size in question, that the engine back pressure does not exceed the value recommended by the engine manufacturer, and that the particulate filter is securely installed on the vehicle.
- the engine is sufficiently well preserved to ensure that the particulate filter can function correctly. This can be ascertained by ensuring that the exhaust gas opacity measured upstream of the particulate filter during free acceleration does not exceed the limit value declared by the manufacturer and that the consumption of lubricating oil is acceptable.
- an assessment of the vehicle use has been performed (type of driving) to ensure that the particulate filter will function correctly.

- When you buy a particulate filter that has received principle-approval, you will receive the following:

1. Documentation showing that the filter has been principle-approved
2. Guidelines regarding maintenance, work environment and disposal
3. Information regarding the manufacturer's requirements for vehicles on which the specific particulate filter can be fitted

You can read more about the principle-approval scheme and see a list of the principle-approved systems and a certificate (in danish) for retrofitting of a principle approved particulate filter on:

www.fstyr.dk

www.teknologisk.dk/8079?cms.query=partikelfiltre

or you can contact

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