

NPTI

New Period Test Inspection

Commercial Aspects & Opportunities

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○ Short summary

- Origin of the VERT Association was retrofit of Particle filters for HD diesel applications (DPF/CDPF)
- Legislation has moved a long way since the founding of VERT
- Future of retrofit?
- Did air quality improve?
- Increased focus on RDE & In-Use compliance - PN and NOx reduction, hence focus on NOx abatement technologies and DPF functionality
- Periodic Inspection has always been advocated by VERT
- Work is ongoing – political awareness, affordable equipment and methods has been developed

○ **NPTI - Why discuss the obvious?**

- Products are subject to maintenance that may not happen
- Operating conditions may not satisfy technology performance
- Parts may/will deteriorate (thermal and mechanical stress, poisoning, normal wear & tear, etc.).
- Tampering and dismantling
- OBD is not enough



○ **Commercial Aspects and Opportunities**

Non conformance will now be detected

- Aftersales of 1st. retrofit
- Aftersales light duty DPF/CDPF`s
- Aftersales Heavy duty DPF/CDPF`s
- Retrofit of GPF`s
- Retrofit of other NOx abatement technologies & enhanced SCR and DPF-SCR combinations

○ Commercial Aspects and Opportunities

- Population >100 mil but link to actual potential influenced by successful NPTI implementation
- Complexity, practicality and legislative aspects of retrofit and replacement
- Vehicle fleet renewal and cost
- Local & regional regulation
- NPTI will prevent inferior products and technologies to be implemented

○ Thank you for your attention

