RAP Clean Vehicle Technology

Training:
CNG Technician + LNG Module

In general

With the introduction of CNG- and LNG-powered vehicles, new technologies emerged in the automotive industry. There are also new risks associated with these technologies, which can lead to serious damage and injury if handled incorrectly. In particular the high pressure, the low temperatures and the cryogenic gaseous fuel makes that the risks differ from conventional vehicles and training of service staff is required.

The training is based on the Dutch guideline PGS26 “safe handling of CNG and LNG vehicles”. The training focuses specifically on more in-depth knowledge about CNG and LNG vehicles and is therefore intended for anyone working with, and interested in CNG and LNG powered vehicles.

Content training

- Natural gas as vehicle fuel update
- Natural gas vehicle technology – system layout and operation
- CNG components – functionallity, possible defects
    - Filling connection / check-valves
    - Service connection
    - CNG cylinders, CNG cylinder valve incl. all safety functions
    - Ridged and flexible pipes, Fittings & couplings
    - High pressure regulator, Injectors, ECU and other CNG parts
- LNG system technology – system layout and operation
    - Optionally tailored to the customer's LNG vehicles
- Practice (if vehicle is available at all)
- Workshop layout and workshop equipment update
- Maintenance and Repair
- Construction / Body building / Crash repair
- Installation of additional CNG cylinder
- Safety
- Regulation update
- Questions and answers
- Examination (optional)

Target audience

Development engineers, technicians, service staff, test engineers, and anyone who will work professionally on the CNG and or LNG vehicles.

Practical information

The maximum number of participants is eight (8). The duration of the training is two half-days (about eight hours in total). Previous education or prior knowledge is mandatory. Candidates must have completed the training “CNG Basics” or the training “CNG Basics + LNG Module”. In addition, some knowledge about internal combustion engines is useful.

Location

This training can take place at the client’s location or at any location specified by RAP Clean Vehicle Technology.

Working methods

Theory & practice

Certification

An examination and/or certificate is optionally available. The qualification is based on the Dutch Branche Kwalificatie Systeem (BKS). Qualification according to other national qualification systems (for example German FBHM-099) is optionally available.

Costs

On request

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