

2010 Vehicle Gas System Validation – 1st Validation Due

THE LAW CHP Title 13-2008 or NFPA 52-2010 may be your legal obligation. Requirements include:

- 1.0 **DO** validate vehicle gas systems three (3) times per year
 - DO** use same gaseous operating fuel equal to: 20- 30% LEL and 50-60% LEL.(NFPA 52 & CHP Title 13)
 - DO** utilize USAPRO CHP Title 13 safety upgrade exemption
 - DO NOT** pick/ choose line items to validate regulations/safety standards This method will not qualify as acceptable
- 2.0 Vehicle Gas Detection OEM recommendations/warranty - OEM documents **DO NOT** override regulations
- 3.0 Validation: Alcohol, butane lighter, heavy gases - **DO NOT** provide multi/level gas validation
- 4.0 Validation: NFPA 52 2010, CHP Title 13 2008 **DO require that** all line items must be followed.

CNG – Propane users – School/Transit Bus – Truck – Industrial User Groups

- 1.0 **DO NOT** consider driver and/or passengers dependable gas odorant detectors
- 2.0 **DO NOT** depend on school children to detect Gaseous Fuel leaks
- 3.0 **DO** implement vehicle gas detection first – fire suppression
- 4.0 **DO** test driver daily – colds, hay fever, medicine- alter smell ability –(when no vehicle gas detection is available)
Few people consistently detect odorant below - 5% LEL (lower explosive level)
- 5.0 **DO** consider both Fire and Explosion can be caused by gas leaks

Recommendations

- 1.0 **DO** validate systems three times per year with certified gas per: CHP Title 13 - NFPA 52-2010
- 2.0 **DO** provide early warning driver panel - Loud Audible - large/clear view LED panel from outside vehicle
- 3.0 **DO NOT** depend on single alarm @25% LEL+ system – Single notification- may be 25% LEL or higher
 - DO NOT** open hood/cab door when 25%LEL or higher alarm sounds from outside
- 4.0 **DO** use multi-level gas detection 20-30% LEL trace (visual) - 50-60% LEL with loud audible/visual.
Validate/maintain vehicle gas detection -fire suppression systems 3 minimum times per year.

Contact USA PRO Shoreline Technology for: GAS TEST KIT, Early warning drivers panel, CHP-NFPA SAE Vehicle Gas Detection – Vehicle and Industrial Fire Suppression Systems, Gas validation testing kits, sensors, etc.
USA PRO CHP upgrade safety exemption for gas vehicle systems meets: NFPA 52-2010, CHP Title 13-2008, SAE J2343-2009

Safety never takes a holiday

'Gas detection and fire suppression system validations facilitate predictable safety'