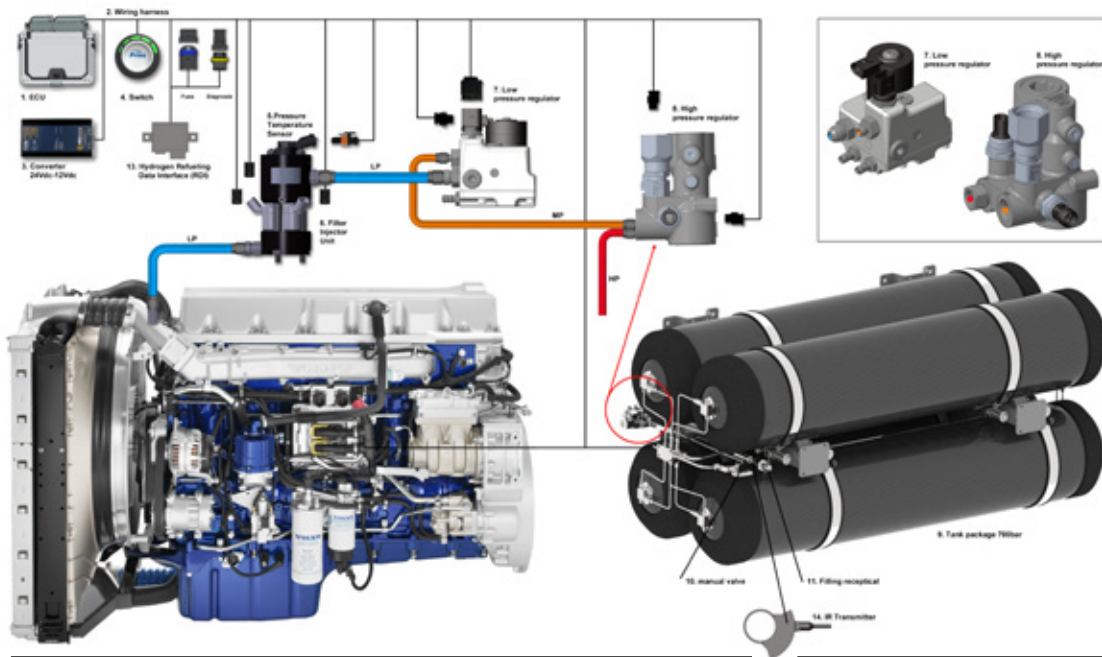




H₂DF principle

- The Prins Hydrogen Dual Fuel System provides vapor injection of Hydrogen as a secondary fuel into the existing diesel engine
- The quantity of diesel injected is reduced to offset the quantity of Hydrogen injected
- The ECU provides all the controls for Hydrogen injection according to speed/load and other engine operation conditions

“Capabilities and developments in Heavy Duty transport to reach the goal of zero emissions for sustainable mobility”



Prins H₂DF System main benefits

- Convert an existing internal combustion engine to Hydrogen Dual Fuel
- Add-on System, no engine modifications required
- Diesel substitution up to 50% possible by (green) Hydrogen
- Same Power and Torque as on only Diesel
- High CO₂ emission reduction
- 350/700 bar system using heavy duty grade components
- Full dedicated Plug and Play system
- EC79 / R134 certified system components
- Based on the proven Prins CNG Dual Fuel technology used by hundreds of satisfied fleet owners worldwide



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