

Ammonia/Methanol Engine – Combustion development

Optimized Tightness for the iSCR Main Valve

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The concept deals with a particular way to set the injectors injection directions (in the case of ammonia, the ammonia injectors)

- Injectors points to the centre
- Scope is to concentrate the fuel in the centre of the cylinder in order to have a richer mixture and at the same time increase the turbulence and subsequent mixing
- Stoichiometric mixture is favourable in ammonia to keep low NOx and N2O emissions
- Stoichiometric mixture is favourable in methanol to keep low NOx emissions