



# NH3 engine overview

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## Practical solution to a large scale introduction of NH<sub>3</sub> as a fuel source

- Advanced engine controls on internal combustion engines
- All fuels / Dual fuels - (NH<sub>3</sub> and biofuels)





# NH3 power

## Engine

- International Maxxforce 10 - 570 c.i. I6 engine
- 24.5:1 compression ratio

## Fuels

- NH<sub>3</sub> (Fumigated)
- Diesel (Direct Inject)

## Fuel Injection System

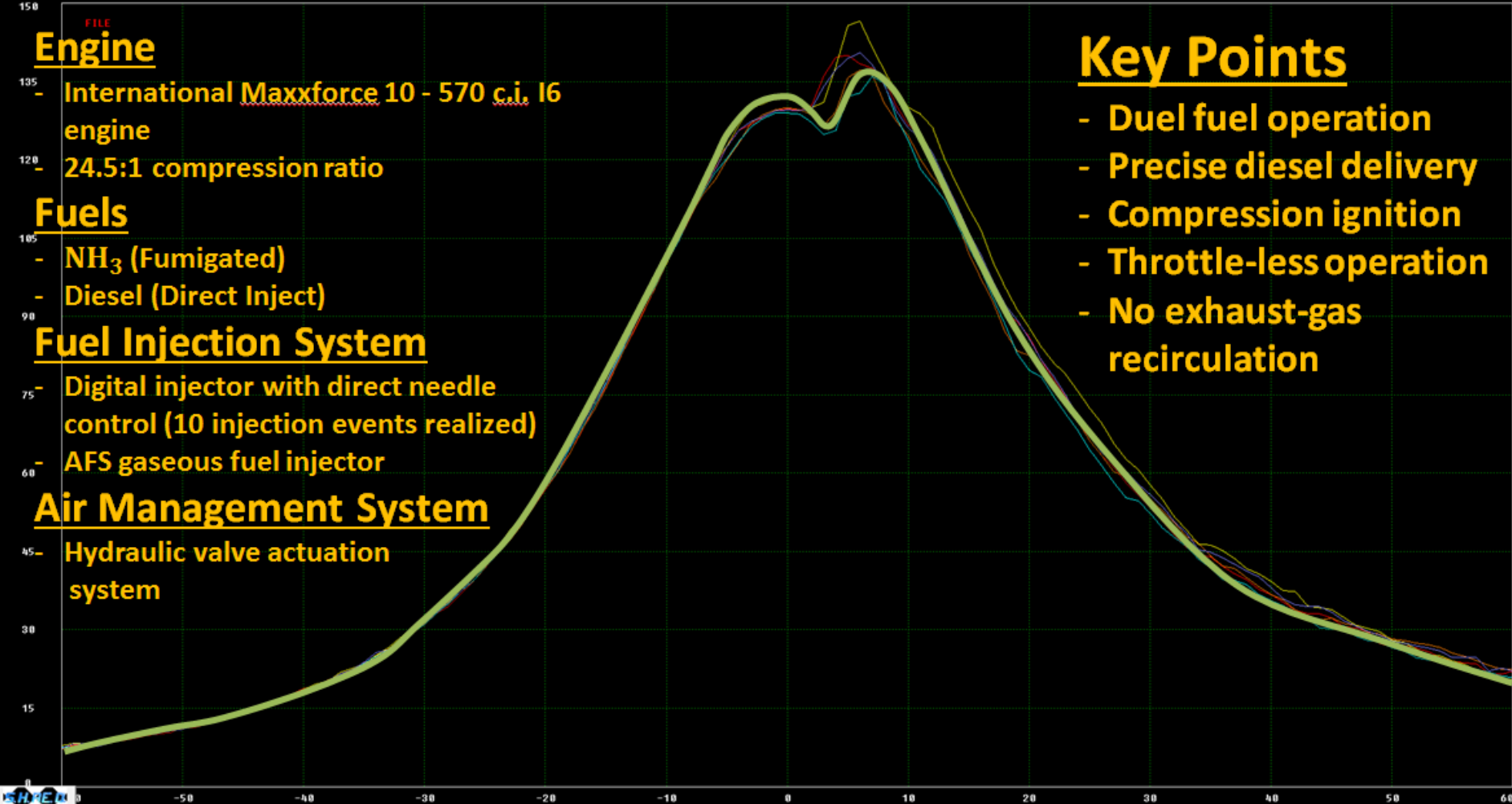
- Digital injector with direct needle control (10 injection events realized)
- AFS gaseous fuel injector

## Air Management System

- Hydraulic valve actuation system

## Key Points

- Dual fuel operation
- Precise diesel delivery
- Compression ignition
- Throttle-less operation
- No exhaust-gas recirculation





# Thank you.

## For more information:

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