

## **VOLVO FH LNG AND FM LNG**



# TRANSPORT CHALLENGES AND SOLUTIONS - TOWARDS ZERO EMISSIONS



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Volvo takes the lead towards a more sustainable future

**Environmental vision** 

EMISSIONS FROM VOLVO TRUCKS



# Alternative fuelsour way forward

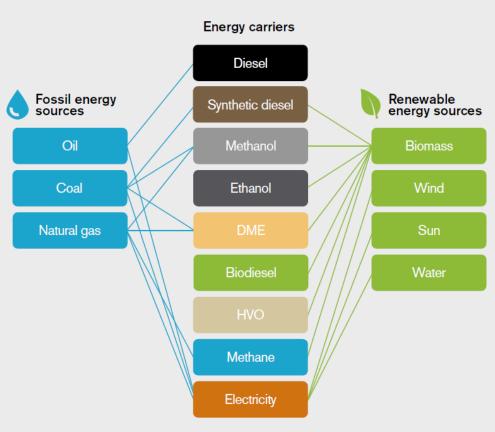




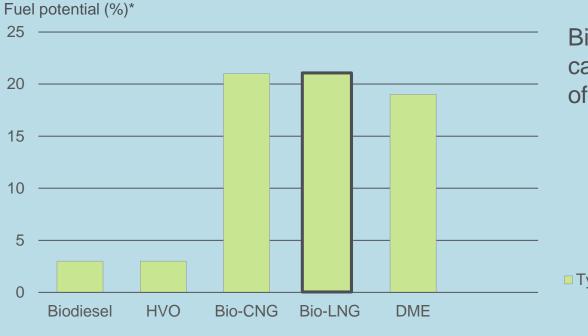


# Alternative fuels – The way forward





### Replacing diesel with biofuels



Bio LNG and Bio CNG can replace 20% of diesel use

Typical value

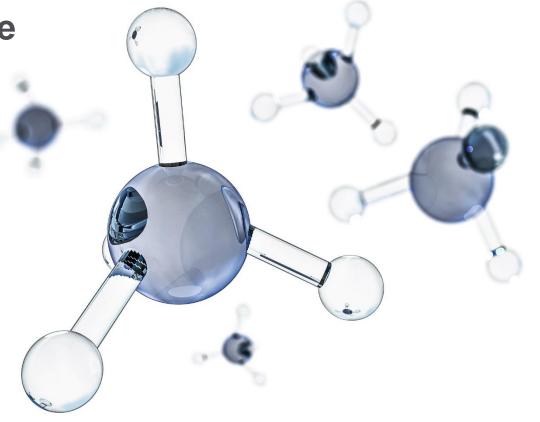




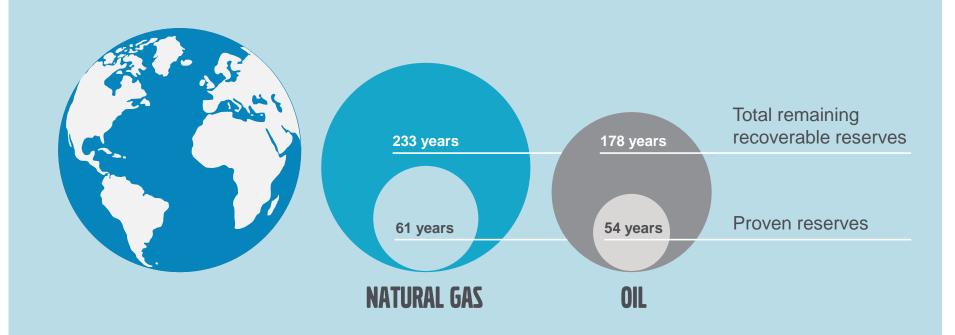


Reasons for methane

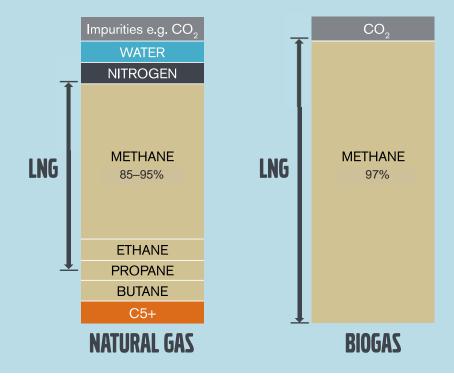
- High energy content
- Growing infrastructure for gas
- Reduced climate impact
- Competitive price



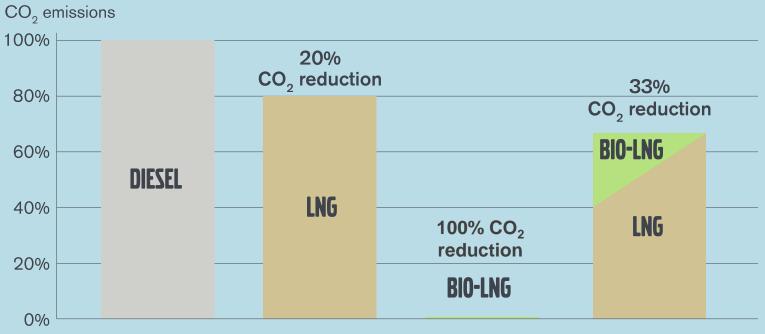
### **Natural gas**



### LNG is liquefied natural gas or biogas



### LNG – CO<sub>2</sub> saving potentials



Valid for tank to wheel





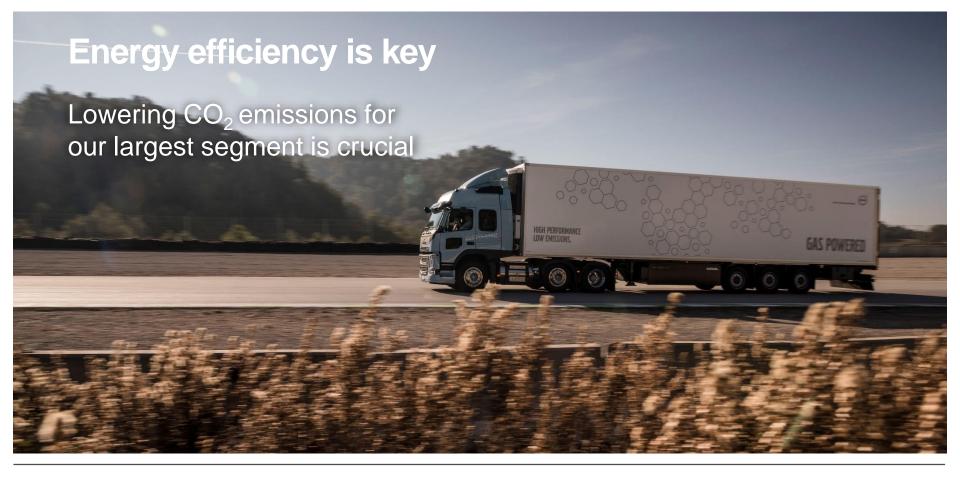
























## WE DON'T COMPROMISE ON PERFORMANCE



### **Volvo FH & FM LNG**

### **TRACTOR**

| Axle configuration | Wheel base (mm) | Gas tank size (kg) |  |
|--------------------|-----------------|--------------------|--|
| 4x2                | 3700/3800       | 205                |  |
| 6x2P               | 3800/4100       | 115/155            |  |
| 6x2T               | 3400/3700/3900  | 155(WB3400)/205    |  |
| 6x4                | 3900            | 205                |  |



#### RIGID

| Axle configuration | Wheel base (mm) | Gas tank size (kg) |  |
|--------------------|-----------------|--------------------|--|
| 4x2                | 5200            | 205                |  |
| 6x2T               | 4300/4600/4800  | 155                |  |
| 6x2T               | 4800/4900/5200  | 205                |  |
| 6x4                | 4300/4600       | 155                |  |
| 6x4                | 4900/5200       | 205                |  |



## **Volvo LNG engine**

#### Volvo G13C Euro 6.

- In-line 6-cylinder 13-litre common rail engine,
- 420 hp/2100 Nm and 460 hp/2300 Nm.
- Up to 1000 km operating range







90-95% LNG 20% LOWER CO<sub>2</sub> EMISSIONS





### **Expected driving range**

40 ton smooth European long haul

| 115 kg | Up to 550 km |              |               |
|--------|--------------|--------------|---------------|
| 155 kg |              | Up to 750 km |               |
| 205 kg |              |              | Up to 1000 km |









