

SCANIA

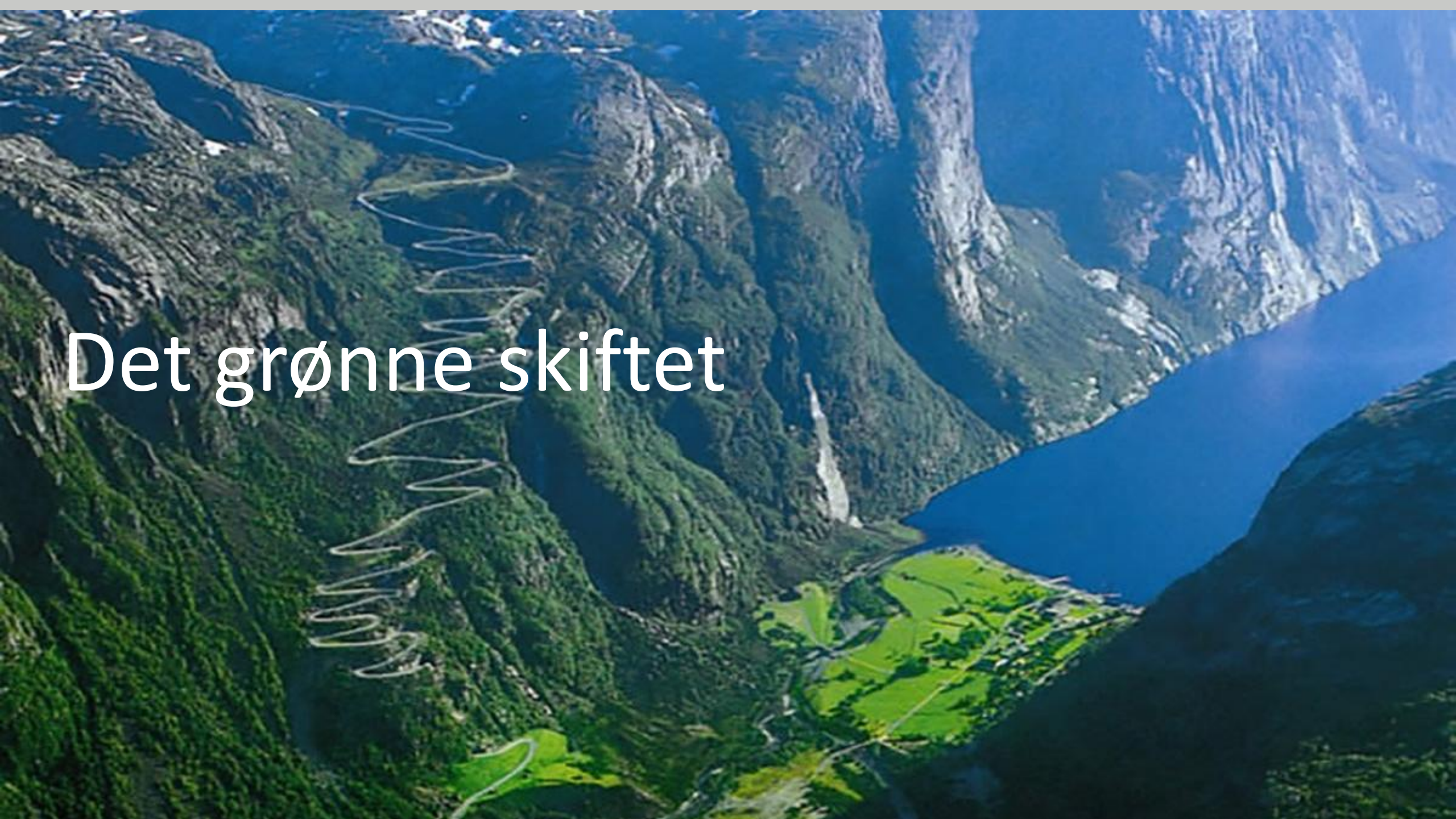
Lars Erik Rodian

Produkttekniker



Det grønne skiftet





Det grønne skiftet



Elektrifisering

Raskere enn du tror



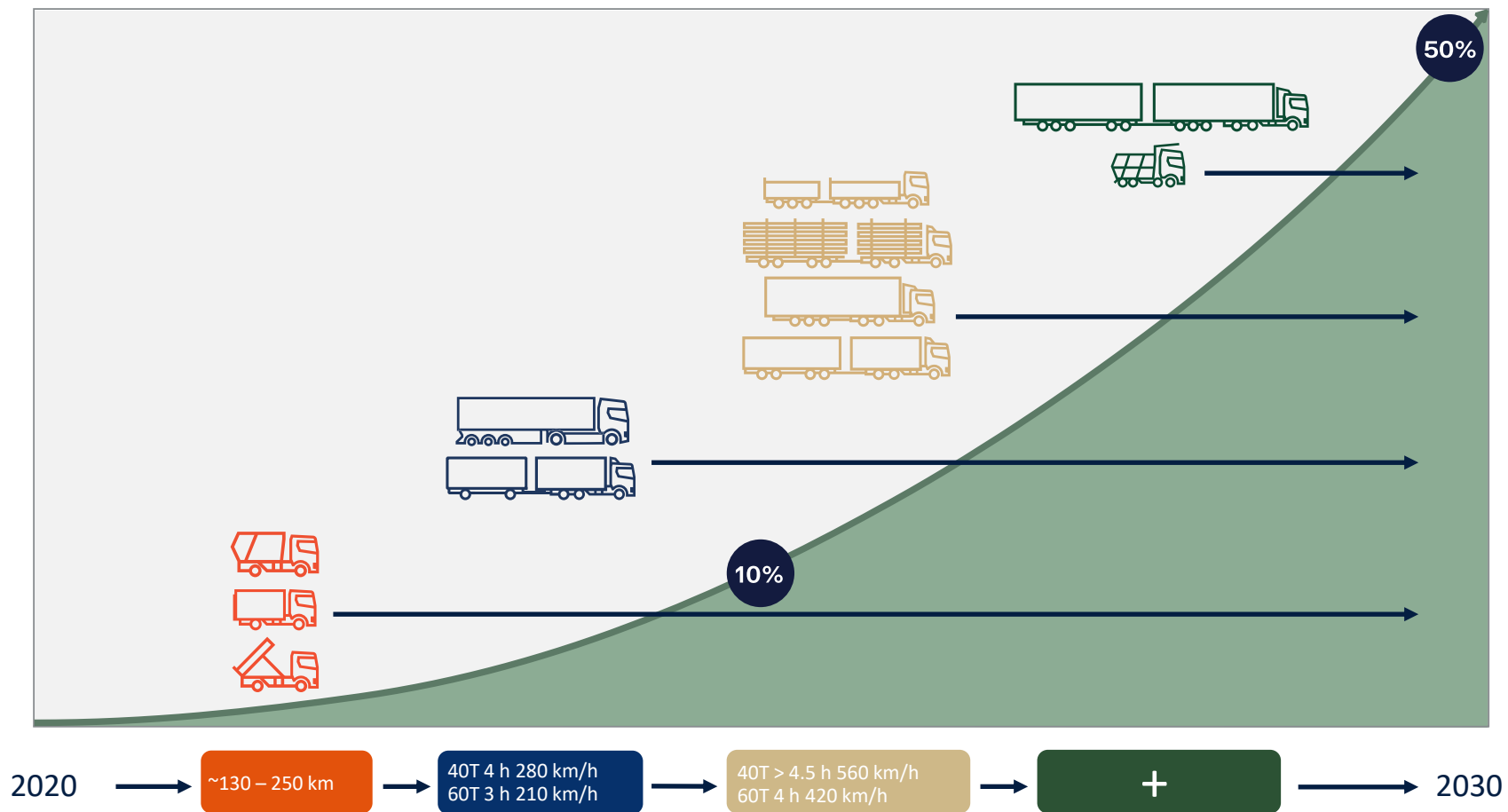
Sustainability



Customer value

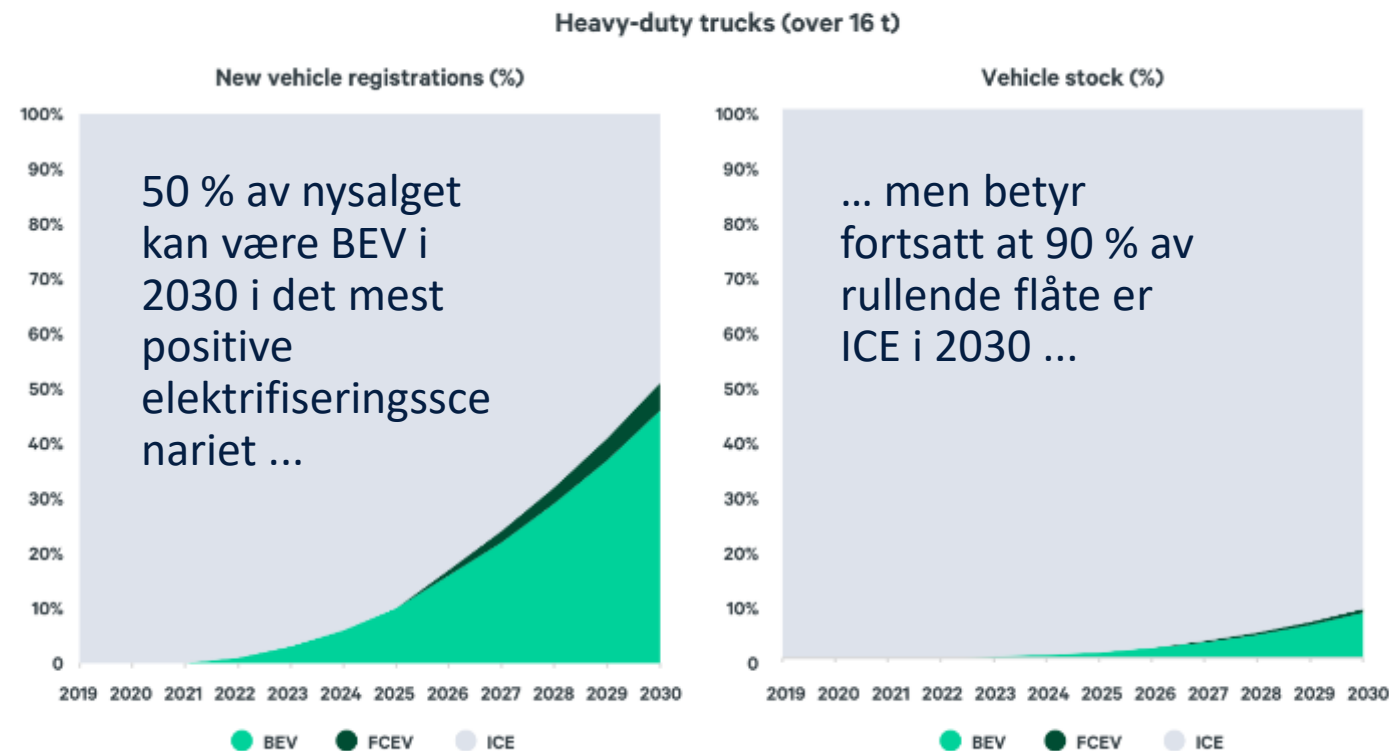


Key conditions



Elektrifiseringen skjer – men ikke raskt nok

Figure 4: Estimated share of new vehicle registrations and vehicle stock, 2019–2030. Historical data from ACEA's statistics and polynomial growth (order=2) is assumed for new registrations. Hybrid electric and plug-in hybrids are included in the share of BEVs.



- Paris-mål: Halvering av CO₂ frem til 2030 (og hvert neste tiår).....still 90% of ICE in 2030.
- Viser tydelig behovet for å avkarbonisere både nye kjøretøy og den rullende HD-flåten også gjennom bærekraftig biogass og biodrivstoff.

Mulig CO2-reduksjon her og nå

Typisk Well-to-wheel
reduksjon av CO2-ekvivalenter -
Europa

1. Fra avfallsbasert råstoff
2. Fra Gjeldende strømmiks i EU
3. Med mest vanlig bruk

CBG - biogas

80%¹
(50-90%)

LBG - biogas

70%¹
(50-90%)

HVO

83%¹
(50-90%)

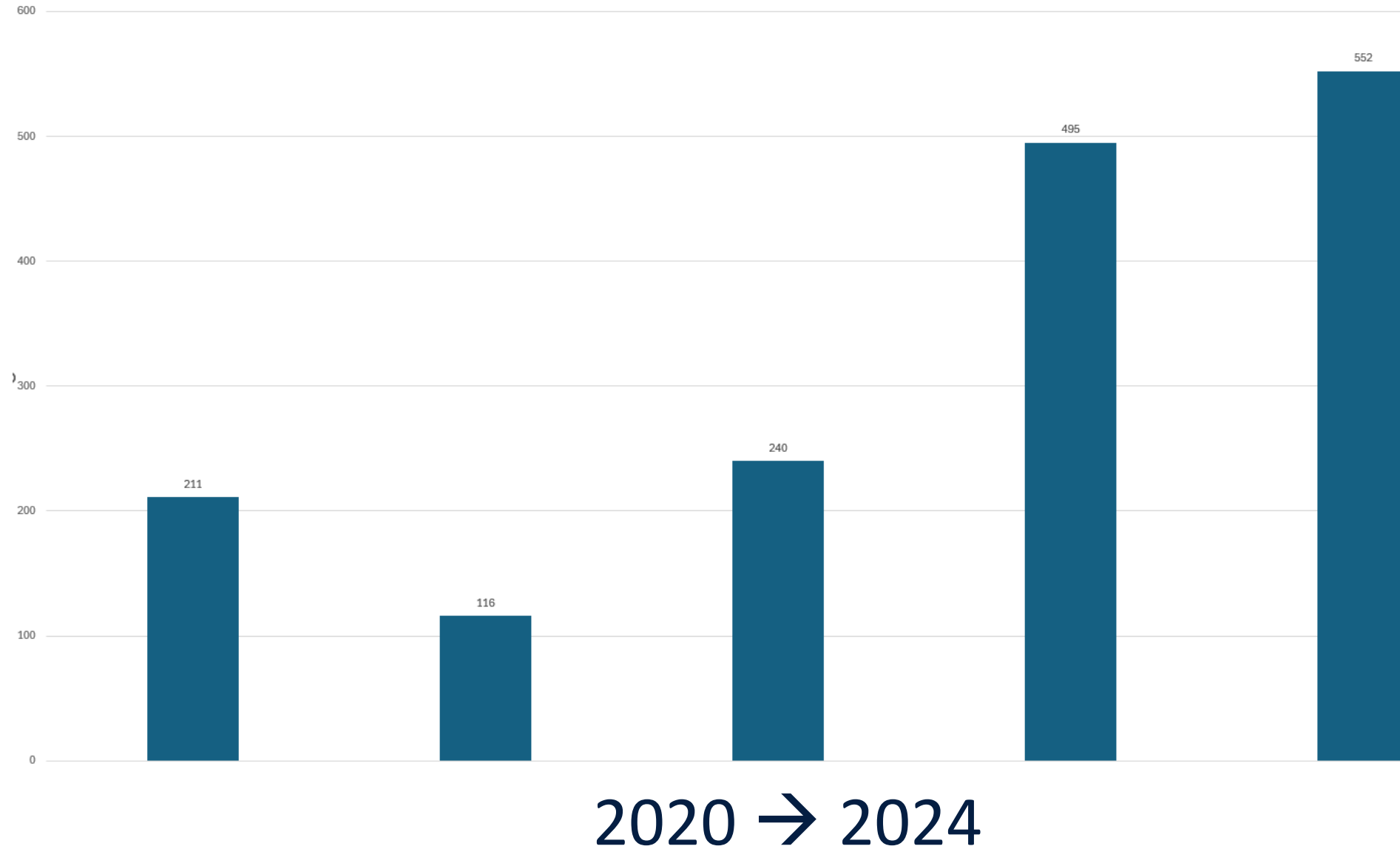
Biodiesel/FAME

60%³
(50-80%)

BEV – battery electric

55%²
(53-99%)

Utvikling gasskjøretøy



- Krokløft
- Tipp
- Liftbil
- Temp.reg skap
- Trekkbil
- Bergningsbil
- Dyretransport
- Feiebil
- Plan /m kran
- Plan /m kapell
- Renovasjon
- Skap /m løfter
- Containerbil
- Annet



Akselkonfigurasjoner

B 4x2



A 4x2



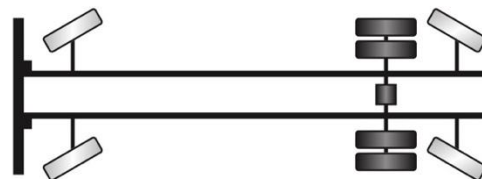
B 6x2



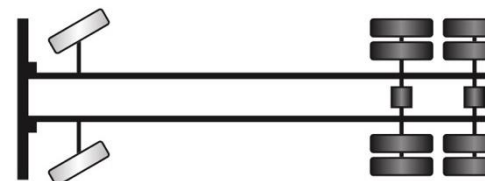
A 6x2



B 6x2*4



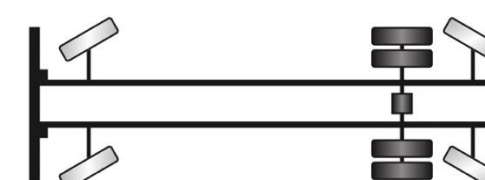
A/B 6x4



B 8x4*4



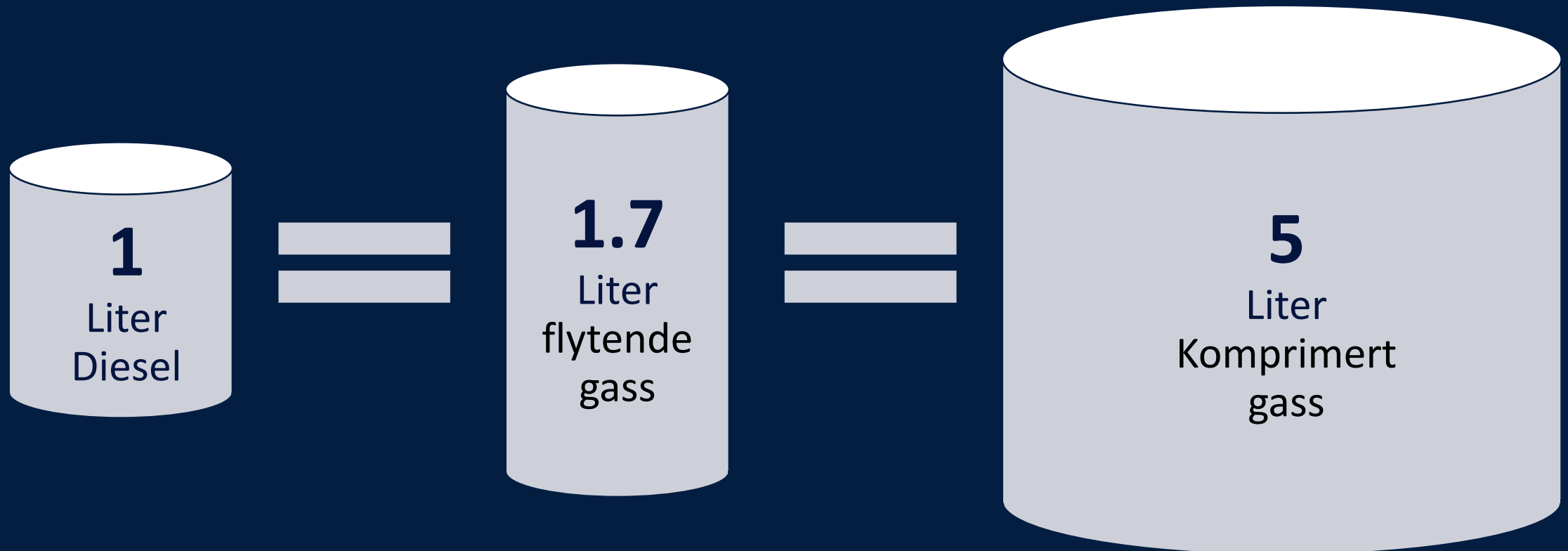
A 6x2*4



Akselavstander

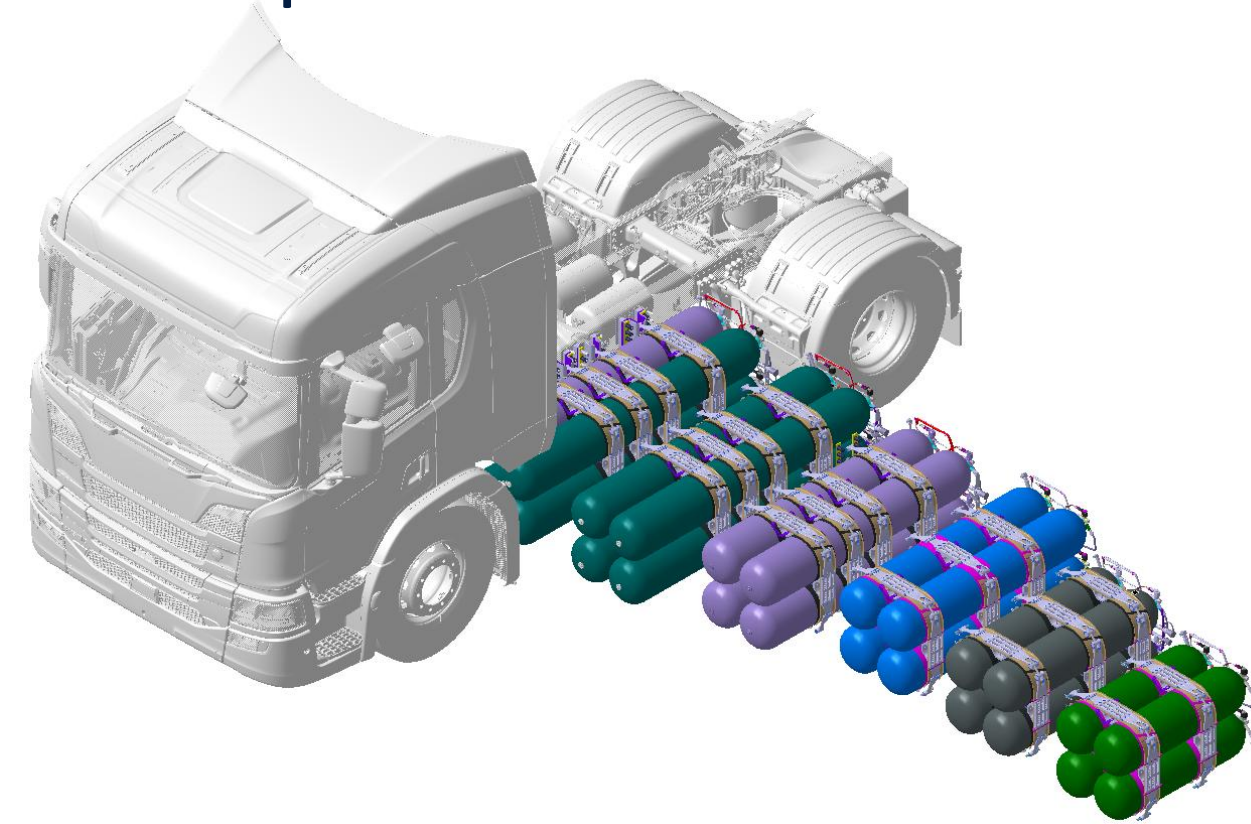
3,350 – 6,350 mm

Two ways of storing methane gas





Komprimert Gass



- Enkelt
- Mengde gass: 118 – 262 kg
- Solide tanker
- Ingen begrensning på ståtid i forhold til flytende gass
- Rimeligere løsning enn flytende



Flytende Gass

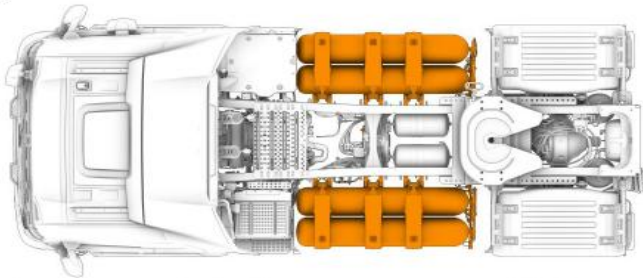
- Anbefales ved behov for lang rekkevidde
- En eller 2 tanker
- Mange varianter av tanker
 - Trekkvogn aa 3750 – 3850 mm
 - 237, 292 eller 345 kg gass
 - Chassis
 - 237 – 430 kg gass



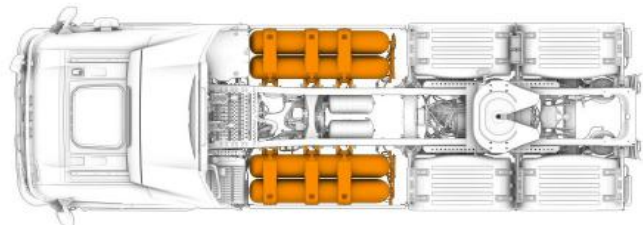


Chassis layout

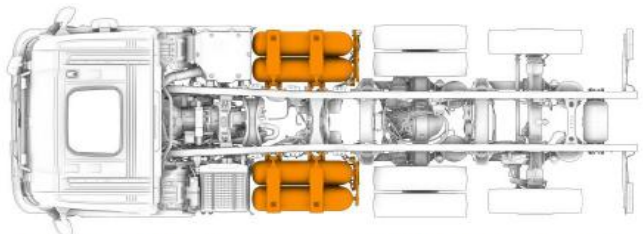
Chassis layout CNG



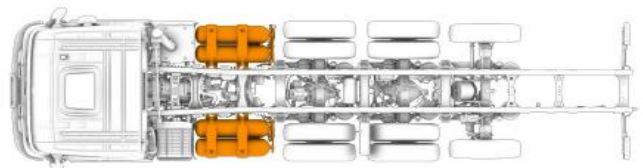
Wheel configuration: A4x2 Fuel tanks: Two packs of 4x118L Axle distance: 3950 mm



Wheel configuration: A6x2 Fuel tanks: Two packs of 4x118L Axle distance: 3950 mm

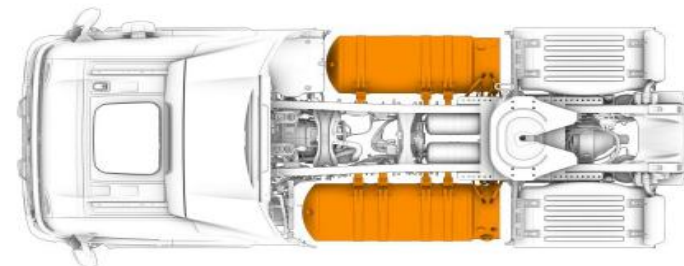


Wheel configuration: B6x2*4 Fuel tanks: Two packs of 4x80L Axle distance: 3350 mm

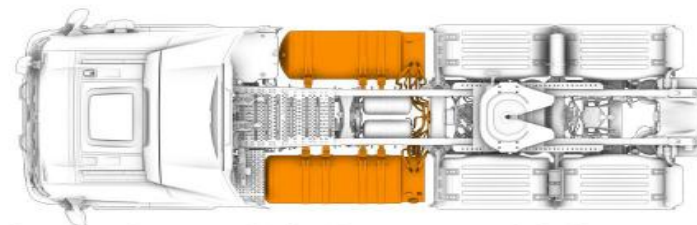


Wheel configuration: B8x4*4 Fuel tanks: Two packs of 4x80L Axle distance: 3350 mm
17.10.2025

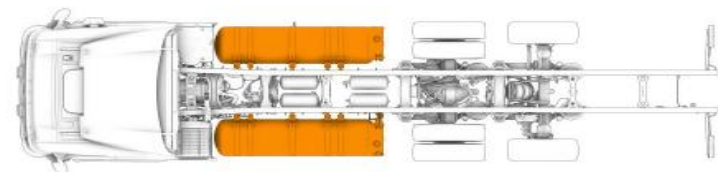
Chassis layout LNG



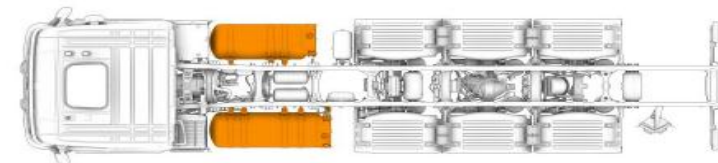
Wheel configuration: A4x2 Fuel tanks: 352Lx406L Axle distance: 3750 mm



Wheel configuration: A6x2 Fuel tanks: 352Lx406L Axle distance: 3750 mm



Wheel configuration: B6x2*4 Fuel tanks: 550Lx550L Axle distance: 4750 mm



Wheel configuration: B8x2/*6 Fuel tanks: 340Lx400L Axle distance: 4750 mm



Forskjellige tank kombinasjoner og rekkevidde

Tank combinations	Total volume	Weight of tank	Weight of fuel	Estimated range
CNG				
8x80 L	640 litre	784 kg	116 kg	330 km
4x80 L + 4x95 L	700 litre	865 kg	126 kg	360 km
8x95 L	760 litre	946 kg	136 kg	550 km
4x80 L + 4x118 L	792 litre	969 kg	143 kg	390 km
4x95 L + 4x118 L	852 litre	1050 kg	153 kg	440 km
8x118L	944 litre	1154 kg	170 kg	490 km
4x152L + 4x118 L	1080 litre	1339 kg	194 kg	550 km
(3x152+1x132) + 4x118	1060 litre	1330 kg	190 kg	540 km*
2x235 L 4)	470 litre	635 kg	90 kg	250 km
2x235 L + 4x118 L 4)	942 litre	1212 kg	175 kg	500 km
2x235 L + 8x118 L 4)	1414 litre	1789 kg	260 kg	740 km
LNG				
406L	406 litre	361 kg	160 kg	450 km
406L + 187L	593 litre	516 kg	232 kg	660 km
406L + 352L	758 litre	679 kg	298 kg	850 km
233L + 233L	466 litre	518 kg	183 kg	520 km
550L	550 litre	523 kg	215 kg	610 km
490L + 360L	850 litre	605 kg	333 kg	950 km
511L + 363L	874 litre	529 kg	343 kg	980 km
562L + 352L (rigid)	914 litre	798 kg	359 kg	1000 km
550L + 550L (rigid)	1100 litre	1005 kg	431 kg	1200 km



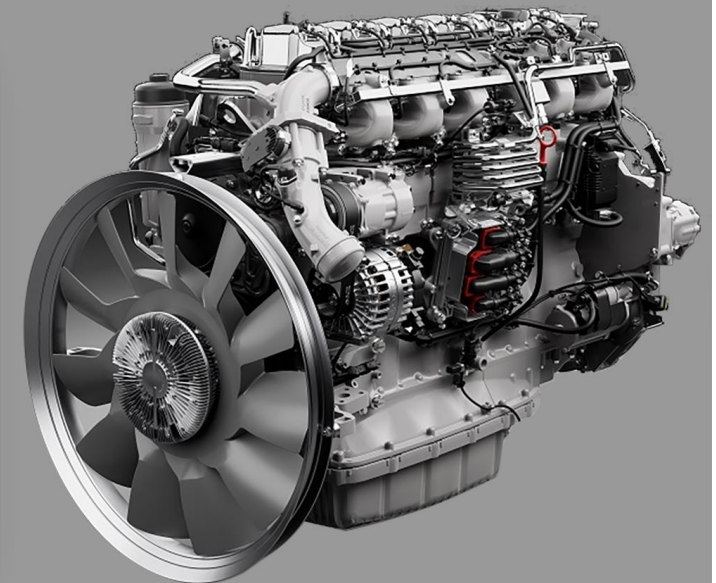
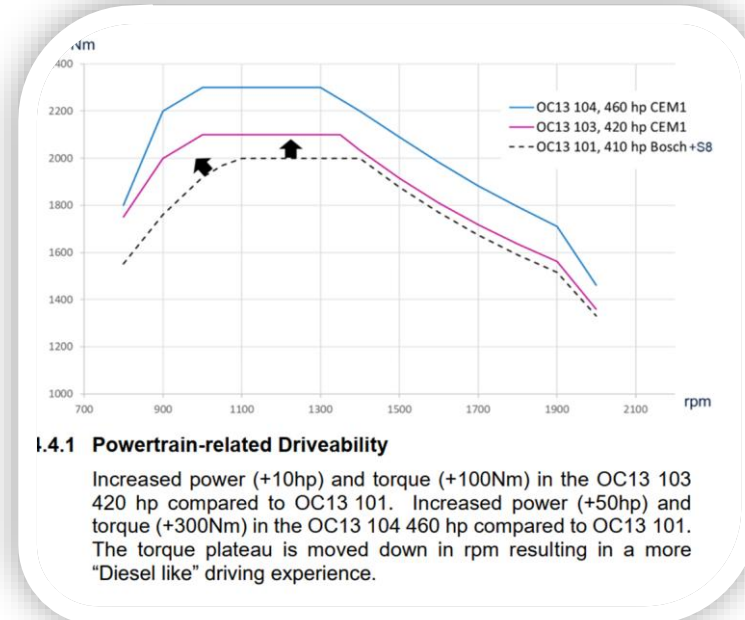
Forbruk brukt i beregning: 35 kg. gass per 100 km

Motoralternativer

- 4 forskjellige motoralternativ.
 - 280 hk, 1350 nm 9 liter, 5 sylindret
 - 340 hk, 1600 nm 9 liter, 5 sylindret
 - 420 hk, 2100 nm 13 liter, 6 sylindret
 - 460 hk, 2300 nm 13 liter, 6 sylindret

Alle motorene er Euro 6 Klassifisert og har eksosetterbehandlingssystem med EGR og 3-veis katalysator

- Kun gass. Ingen tilsetninger.





V8 Gass (Kun marine og Industri)



we can now provide the gas-offer in almost every application





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