Tire meeting with Goodyear

Dienstag, 16. Oktober 2018
07:39

Present:	IVECO:	FISCHER Markus, KRUIS Sebastian, SCHREIER Philip, BOSCH Michael, HIRNINGER Patrick
	Goodyear:	LERUSSE Albert, BEFFA Diego

For example 3 different type of tires:

FuelMaxPerformance	The top class Fuel Efficient long haul tire Best-in-class Rolling resistance Highest fuel savings
K-Max S/D Gen-2	Regional Haul tire top-class mileage true all season capability
FuelMax S/D Gen-2	Long-Haul tire Provides optimal fuel efficiency Balanced Long Haul tire

Influences on road handling:

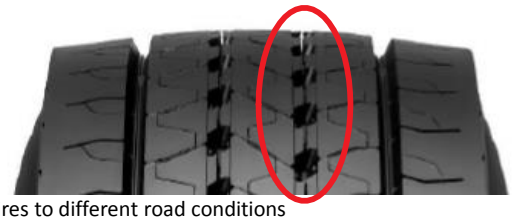
- Compound
  - Age of tires
- Pattern
  - Ribs/Grooves
  - Gaps
  - Tread pattern depth
- Tire choice
  - Vehicle properties
    - Tire size
    - Axle load

Compound:
Plays a crucial role in
- Fuel savings
- Mileage
- Grip

Fuel saving equals to mileage but is contrary to grip

Pattern:

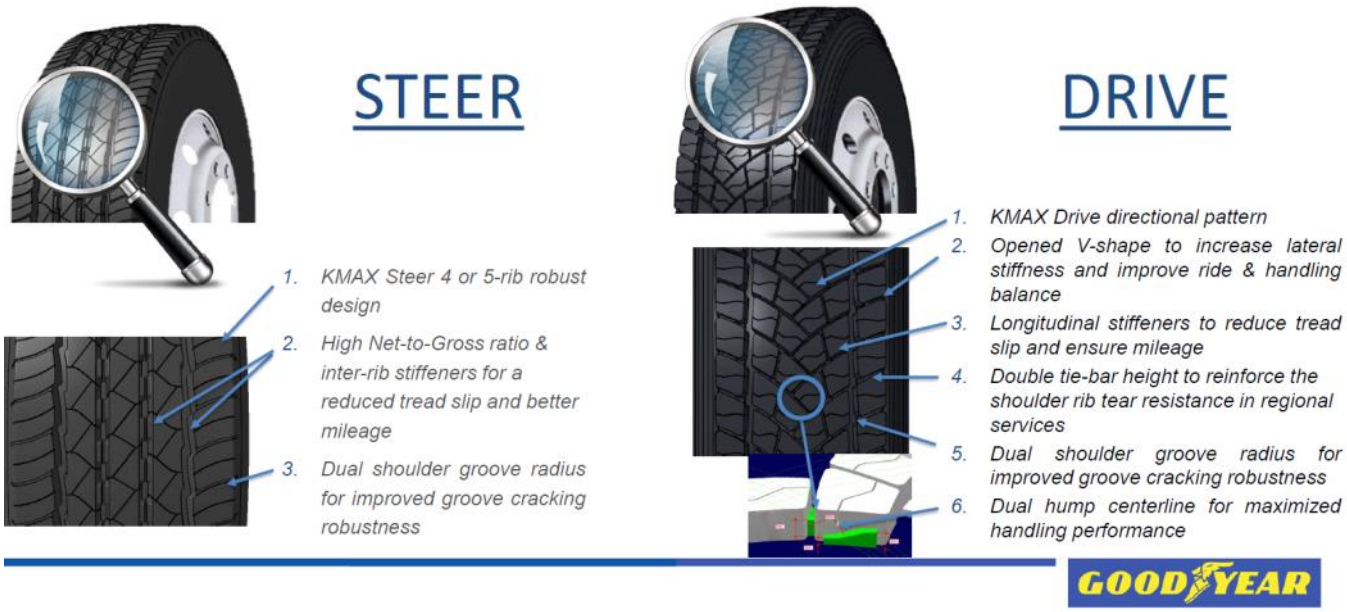
Longitudinal Ribs/Grooves:
- For water evacuation
- Precise handling (narrow small gaps for intended blockage)



- Adapt tires to different road conditions

Lateral Ribs/Grooves:
- 3PMSF (3-peak-mountain-snow-flake symbol) capability
- feeling of a linear steering force

-> $\mu(s)_{lat}$!~ $\mu(s)_{long}$ due to gaps
For example:



Properties for a good deceleration:

- Large supporting surface
- Smooth tire
- Small tread pattern depth (tire buffing) *this is not a realistic scenario but reproducible*