

## Durability

- Total mileage / operating hours
- Wear limits / change and maintenance intervals of
  - Timing drive / valve train
  - Accessory drive
  - Plain bearings / cylinder liners
  - Injection system, electrical systems

## Acoustics / Comfort

- Components
  - Characteristic eigen frequencies → Engine mounting, accessories arrangement, timing drive, power train, ...
  - Surface vibrations caused by combustion pressure excitation → Engine block, cylinder head, valve train cover, ...
- Testing (vehicle / application specific)
  - Sound-pressure level of the engine
  - Interior noise
  - Interior acceleration → Seats, steering wheel
  - Noise at accelerated passing (ISO R 362)