

**HAST DU DIE GRÖSSE?**  
FAHR MIT VERANTWORTUNG.



Deutscher  
Verkehrssicherheitsrat e.V.



Bundesvereinigung der  
Fahrlehrerverbände e.V.



Bundesministerium  
für Verkehr, Bau  
und Stadtentwicklung

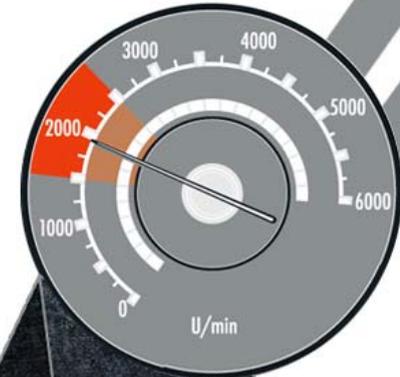
drive cool  
save fuel

*Learning modern car driving.*

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- ***Changing gear and driving at low rotation speeds***
- ***Utilizing momentum and exploiting energy***
- ***Providing freedom for decisions – extend separation distance to car in front***
- ***A lot of fun in applying the tips of "Drive cool - Save fuel"!***



## 01 *Rotation speeds*

### *Changing gear and driving at low rotation speeds*

- **Always in the highest possible gear**
- **Selection of the next higher gear above 2000 - 2500 rpm**
- **Driving uniformly at approx. 2000 rpm and below**

***Applies also for cars with automatic transmission***



## 01 Rotation speeds

- **1<sup>st</sup> Gear** **Startup**
- **2<sup>nd</sup> Gear** **after one vehicle length**
- **3<sup>rd</sup> Gear** **at 30 km/h**
- **4<sup>th</sup> Gear** **at 40 km/h**
- **5<sup>th</sup> Gear** **at 50 km/h**
- **6<sup>th</sup> Gear** **possible above 50 km/h**

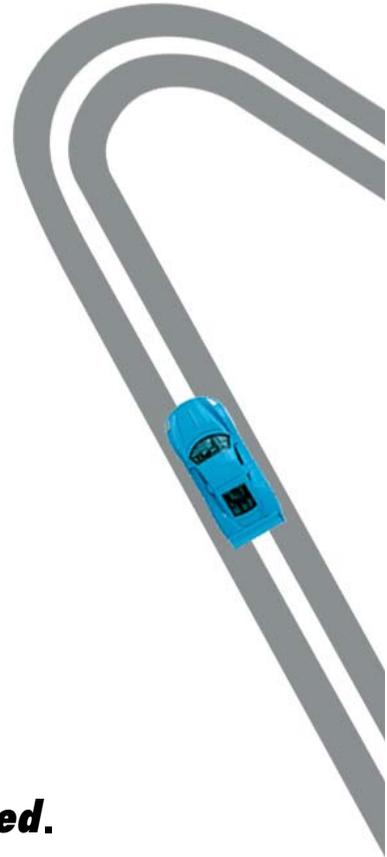


## 01 Rotation speeds

**Consumption of an average-sized car driving at a constant speed of 50 km/h in different gears**



**The consumption for 6<sup>th</sup> gear has not yet been determined.**



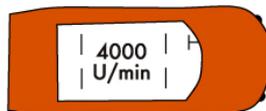
## 01 Rotation speeds

*A vehicle at 4000 rpm is as loud as ...?*

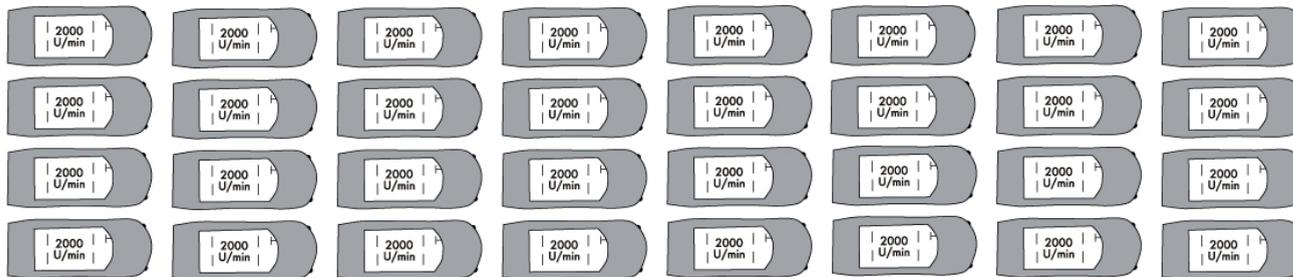
## 01 Rotation speeds

***A vehicle at 4000 rpm is as loud as***

***32 vehicles at 2000 rpm***



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## 02 Momentum and energy

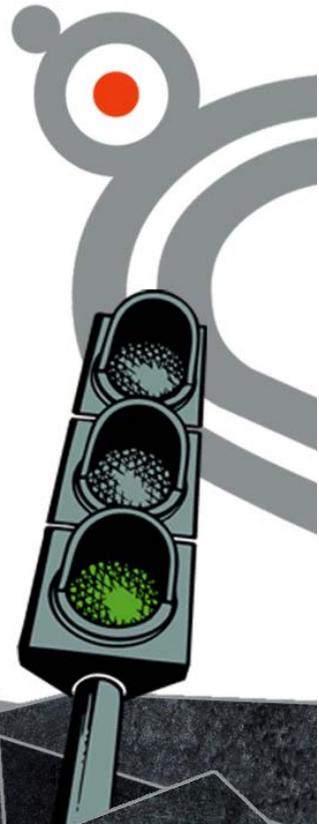
### *Utilizing momentum and exploiting energy*

**Never on slopes if momentum is built up as a result!**

## 02 Momentum and energy

### *Utilizing momentum and exploiting energy*

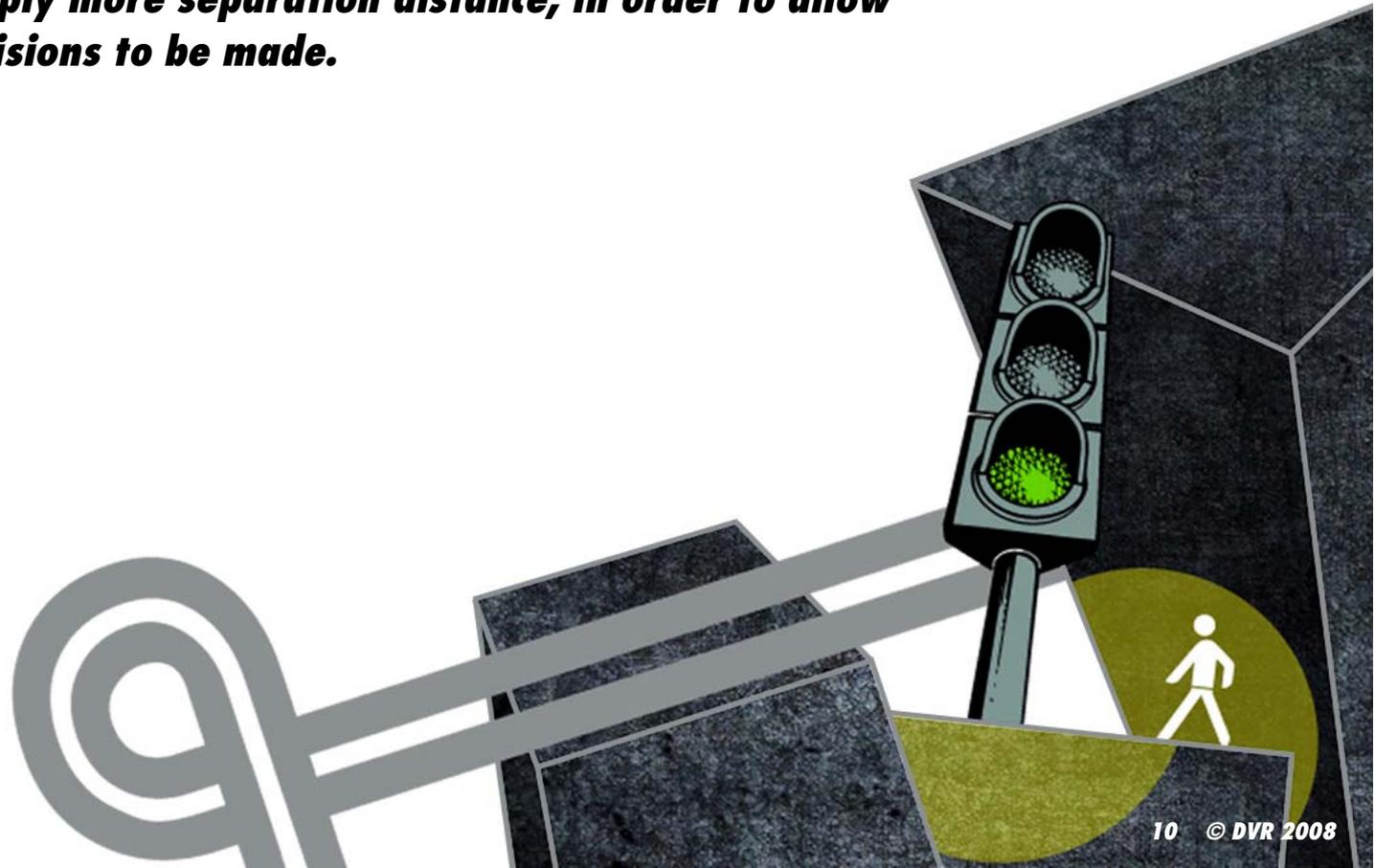
- **Before crossings and branch roads**
- **Before traffic lights**
- **At STOP signs**
- **At "Yield" signs**
- **In stop and go traffic**



### 03 Useful tips

***Providing freedom for decisions –  
extend separation distance to car in front***

***Simply more separation distance, in order to allow  
decisions to be made.***



### 03 Useful tips

- **Drive calmly and with foresight!**
- **Switch off engine if it is appropriate!**
- **Remove ballast!**
- **Ensure correct tire air pressure!**
- **Switch off high-energy-consumption loads!**
- **Check vehicle technology!**
- **Use other means of transport sometimes!**

***A lot of fun in applying the tips of  
"Drive cool - Save fuel"!***

**Film "Mother - Daughter"**



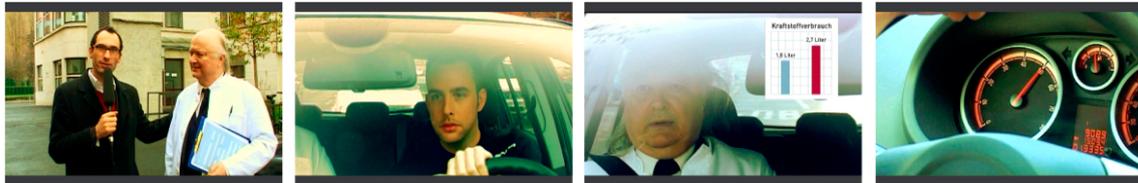
**Film "Parents Visit"**



**Film "Disco Stag"**



**Film "Science"**



**Film "Dating show"**



**Film "Picnic"**



**"Cinema commercial"**

