

Several months ago with the assistance of another forum member I put together an Excel Spreadsheet Program. When three pieces of drop down information specific to the assembly of your coach were selected the program would provide speed information on your coach. The information would provide you with the road speed in relation to the manufacturer, model, and size of the tires on your coach, the rear axle gear ratio, and the transmission model, those three items in relationship with the different engine speeds (RPM's) while you were driving.

This spreadsheet was designed where once you had the coach information selected from the drop down button lists you could then print the spreadsheet and use it as a reference while figuring out how best to use the various modes of driving available.

You can use "Economy Mode" or "Performance Mode" for those coach's with that capability. Driving your coach and using various tools available will enable you to find that "Sweet Spot" where fuel economy will be the best you can get from your coach. Depending on your driving style at that point you will be able to find the sweet spot. Everyone's driving style will not be the same. My driving style has changed over the years it is now what can be termed as mellowed. Back in a pervious (working) life when time off was rare and at a premium, getting to my destination meant long hours behind the wheel and those hours were at or above the speed limit.

Below is a picture of the spreadsheet for my 2007 Phaeton 40QSH.

| ROAD SPEED (MPH) vs ENGINE SPEED (RPMs) |      |      |      |      |      |      |      |       |       |       |       |       |       |
|---|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| RPM's                                   | 1300 | 1400 | 1500 | 1600 | 1700 | 1800 | 1900 | 2000  | 2100  | 2200  | 2300  | 2400  | 2500  |
| Reverse                                 | -6.5 | -7.0 | -7.5 | -8.0 | -8.5 | -9.0 | -9.5 | -10.0 | -10.5 | -11.0 | -11.5 | -12.0 | -12.5 |
| First Gear                              | 9.3  | 10.1 | 10.8 | 11.5 | 12.2 | 12.9 | 13.6 | 14.4  | 15.1  | 15.8  | 16.5  | 17.2  | 18.0  |
| Second Gear                             | 17.5 | 18.9 | 20.2 | 21.6 | 22.9 | 24.3 | 25.6 | 27.0  | 28.3  | 29.6  | 31.0  | 32.3  | 33.7  |
| Third Gear                              | 23.1 | 24.9 | 26.7 | 28.4 | 30.2 | 32.0 | 33.8 | 35.6  | 37.3  | 39.1  | 40.9  | 42.7  | 44.4  |
| Fourth Gear                             | 32.6 | 35.1 | 37.6 | 40.1 | 42.6 | 45.1 | 47.6 | 50.1  | 52.6  | 55.1  | 57.7  | 60.2  | 62.7  |
| Fifth Gear                              | 43.4 | 46.8 | 50.1 | 53.5 | 56.8 | 60.2 | 63.5 | 66.8  | 70.2  | 73.5  | 76.9  | 80.2  | 83.6  |
| Sixth Gear                              | 50.1 | 54.0 | 57.8 | 61.7 | 65.6 | 69.4 | 73.3 | 77.1  | 81.0  | 84.8  | 88.7  | 92.6  | 96.4  |

GRAY COLOR CELLS ARE CHANGEABLE  
SELECT THE CELL, CLICK ON THE BUTTON  
SELECT FROM THE DROP DOWN LIST IN CELL

Tire Selection List

Michelin XZE 275/80R22.5 LRG

Rear Axle Gear Ratio

4.63

Year & Model

2007 Tiffin Phaeton 40QSH

Transmission Series

MH 3000 6 Speed

ENTER YEAR AND COACH MODEL ABOVE

Program Written By Ted Bryan, AKA Crusinagator

Three cells have been left unlocked for the user to select from a list of available information. The three cells are high-lighted in light gray. Clicking on any one of the gray cells will display a button with a drop-down list on the right end of the cell, with a message telling you to select from the list. Below are the three lists under each cell title.

| <b>Tire Selection List:</b>   |
|---|
| Goodyear G670 255/70R22.5 LRH<br>Michelin XZE 255/70R22.5 LRH<br>Michelin XRV 235/80R22.5 LRG<br>Michelin XRV 255/80R22.5 LRG<br>Michelin XZE 275/80R22.5 LRG<br>Michelin XZE 275/80R22.5 LRH<br>Michelin XZA2 295/80R22.5 LRH<br>Michelin XZA2 315/80R22.5 LRL |

| <b>Rear Axle Gear Ratio:</b> |
|------------------------------|
| 4.33<br>4.63<br>4.78<br>4.88 |

| <b>Transmission Series:</b>   |
|---|
| MH 2100 6 Speed<br>MH 2200 5 Speed<br>MH 2200 6 Speed<br>MH 2350 6 Speed<br>MH 2500 6 Speed<br>MH 3000 6 Speed<br>MH 4000 6 Speed |

A fourth cell was left unlocked enter your coach information into that cell. As you can see in the above spreadsheet my coach information is "2007 Tiffin Phaeton 40QSH".

The above information can deliver over 220 different combinations of road speed versus engine speed through the different combinations of rear axle gearing ratio's, tire manufacturer, tire size and transmission series.