

# Gear Ratio Calculator

Standard

MPH  KPH

Target RPM

7800

Calculate Tire Diameter

26 in

Cir. 81.6814

Width

Aspect Ratio

Rim Diameter

RATIO

Ring & Pinion

9

to

31

3.4444

MPH

RATIO

1st gear

11

to

42

3.8182

45.894

13.152

2nd gear

19

to

43

2.2632

77.427

7.7953

3rd gear

20

to

35

1.75

100.132

6.0278

4th gear

27

to

38

1.4074

124.506

4.8477

5th gear

25

to

30

1.2

146.025

4.1333

6th gear

32

to

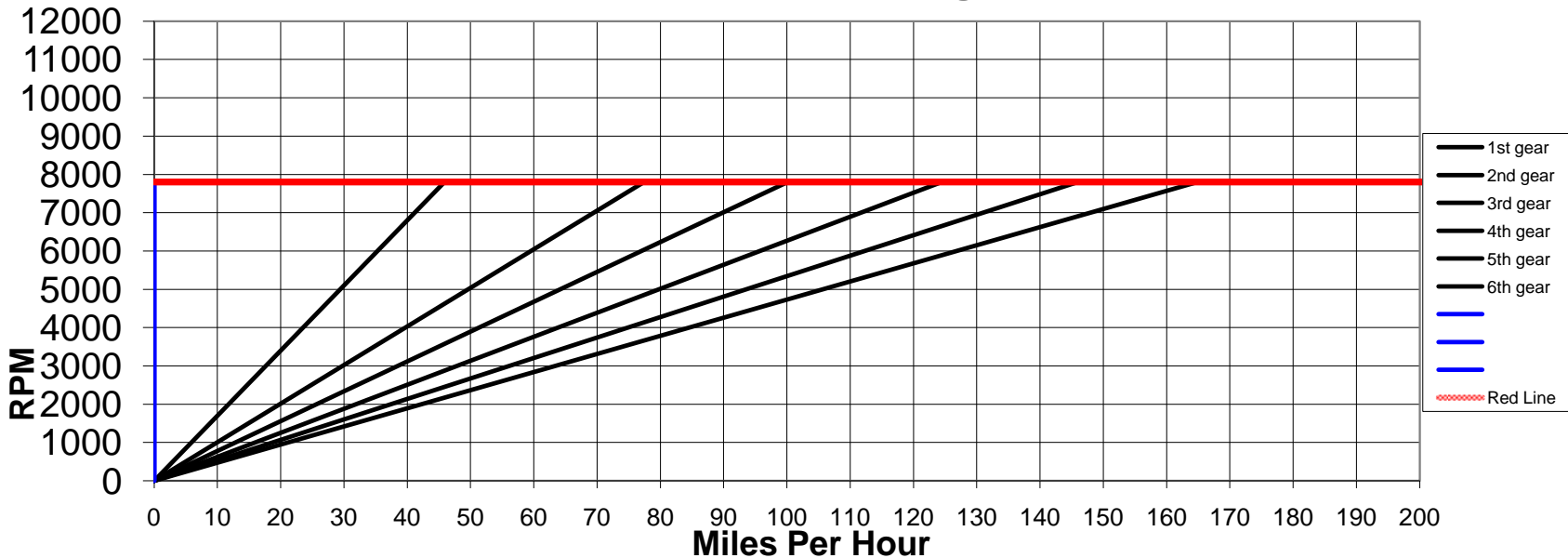
34

1.0625

164.923

3.6597

## Transmission Diagram



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5th to 6th suggestion 1

Gear Change RPM drop (change @7800)

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 1 -> 2 -3177 (to 4623)  
 2 -> 3 -1769 (to 6031)  
 3 -> 4 -1527 (to 6273)  
 4 -> 5 -1149 (to 6651)  
 5 -> 6 -890 (to 6910)