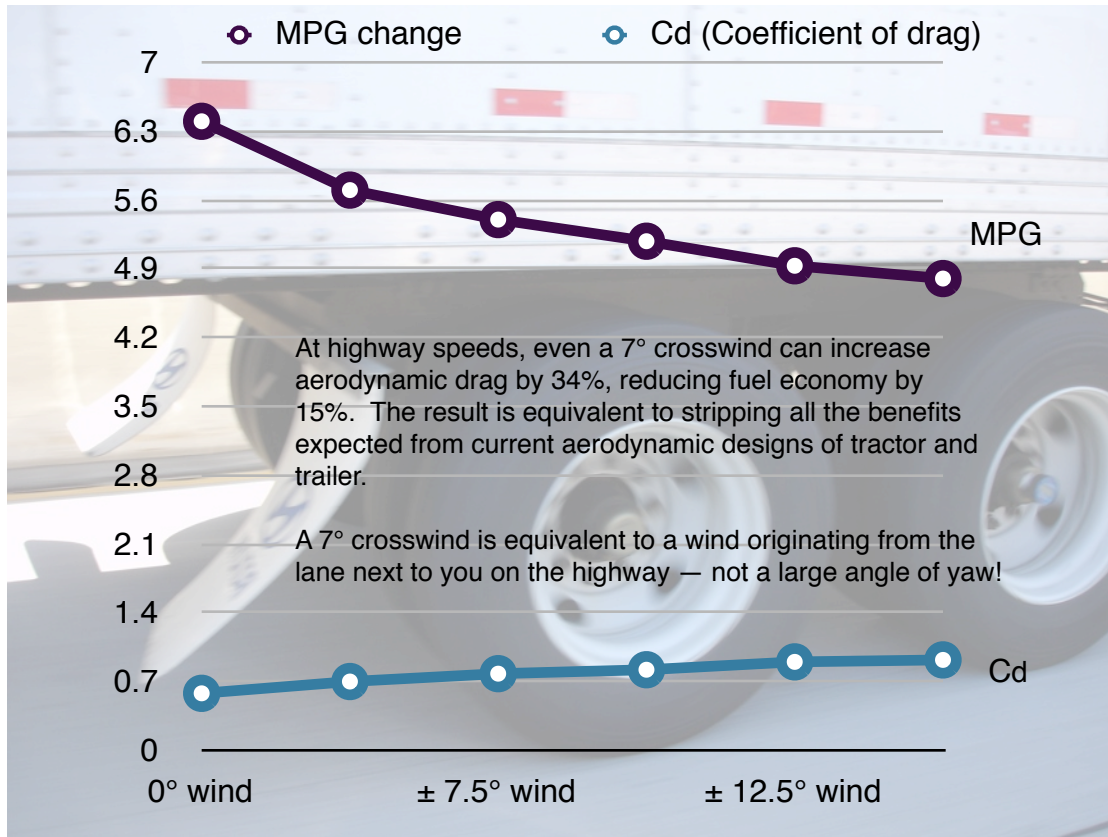


# CLASS 8 HIGHWAY CROSSWIND NOTES

*Looking at the impact of crosswinds on aerodynamics and fuel economy on the road*



At the slightest crosswind angle, accelerating from 60 MPH to 65 MPH can reduce your fuel economy by 0.6 MPG. Accelerating another 5 MPH will cost you an additional 0.6 to 0.7 MPG.

A maintained speed in crosswind conditions on the highway will cost a full mile per gallon compared to MPGs you experience when no crosswind is present.

If the crosswind is as broad as 15° yaw, your fuel economy on the highway will drop by more than 1.5 MPG — almost 25%. Think of a 15° crosswind as one that originates two lanes away from your truck, angling back to your trailer. A 15° crosswind increases your coefficient of drag on the highway by 58% vs. no crosswind conditions.