

- The experiment

This was a simple A-B comparison, where A = with cardboard boat tail prototype, and B = cardboard removed.

Speed was 55 mph (88.5 km/h) using cruise control, and it was hot, so the fan was on 3/4.

- Results

@ 88.5 km/h / 55 mph - in MPG (US)

A = boat tail on

B = boat tail off



A/B ... West ... East ... Average MPG (US) / L/100 km / MPG (imperial)

A 59.8 ... 61.6 ... 60.70 / 3.88 / 72.9

A 60.2 ... 63.3 ... 61.75 / 3.81 / 74.16

A 59.4 ... 63.1 ... 61.25 / 3.84 / 73.56

B 57.2 ... 61.7 ... 59.45 / 3.96 / 71.4

B 58.7 ... 61.8 ... 60.25 / 3.90 / 72.36

61.23 mpg (US) - average of A runs

59.85 mpg (US) - average of B runs

1.38 mpg (US) - difference of between A avg. and B avg. runs

2.3% - increase in fuel economy with the boat tail