

How To Measure Your Vehicle's Fuel Efficiency

~ Innovative Fuel Saving Technology

HOW TO USE THE FUEL SAVER'S LOG

- ① Record initial fill date at Line 1A.
- ② Record the 'initial fill' odometer reading in Line 1B.
- ③ Fill your fuel tank until the first 'click'. Fully fill the tank so that you always have the exact same reference point to calculate fuel added.
- ④ Record that tank was fully FILLED in Line 1H. (On the initial fill there is no need to record Line 1C, D, E, F, & G because you will not add them into the final calculation.)
- ⑤ Drive until you need fuel (as normal).
- ⑥ Fill the fuel tank until the first 'click'.
Keep careful records of fuel added between the first fill and the last fill. It is not necessary to fill the fuel tank every time. 'Start' with a fill and 'end' with a fill. Record when you filled fully so you can accurately calculate mileage in column H.
- ⑦ Each time you fill up, record applicable information in column's A, B, D, F, G, & H. Column C & E can be left for later.
- ⑧ Repeat steps 5 - 7 at least 4 times to get a valid representative average.

HOW TO CALCULATE YOUR FUEL EFFICIENCY

Tank By Tank (assuming fill up with each tank)

1. Find the total distance by subtracting end fill odometer reading (2B) from initial fill odometer reading (1B)
(339045 - 338779 = 266 Km) (Total is put in 2C)
2. Divide the total distance traveled (2C) by the total fuel volume added (2D) (266 Km / 43.913 L = 6.06 Km / L). Put result in Economy (2E)

Total Average Mileage (fill to fill)

1. Find the total distance by subtracting end fill odometer reading (5B) from initial fill odometer reading (1B)
(339912 - 338779 = 1193 Km) (Total is in 6B)
2. Find total fuel volume by adding all (column D) except initial fill. Total is in 6D.
3. Divide the total distance traveled by the total fuel volume.
(1193 Km / 148.312 L = 8.04 Km / L)

	A			B	C	D	E	F	G	H
	Date	M	Y	Odometer Reading	Distance Driven	Fuel Volume gallon or litre	Economy	Price per volume	Fuel Cost	Vehicle maintenance; Enhancements Applied; Comments
1	27	09	04	338779						Fully filled Pentaxton
2	10	10	04	339045	266 Km	43.913 L	6.06 Km/L	\$0.915 L	\$40.18	Filled - Trip to Vancouver - put air in tires
3	10	10	04	339442	397 Km	41.827 L	9.49Km/L	\$0.894 L	\$37.39	Filled - Trip to Vancouver - added 1 liter of oil to engine
4	10	10	04	339660	218 Km	22.728 L	9.59Km/L	\$0.979 L	\$22.25	Filled - Trip to Vancouver
5	10	10	04	339972	312 Km	39.844 L	7.83Km/L	\$1.029 L	\$41.00	Filled - Trip to Vancouver
6				Tot. = 1193 Km		Tot. = 148.312 L				* Average Mileage = 8.04Km/L
7										
8										
9										
10										* Mileage of George's 1984 Volvo before installing fuel saving technology

There are four 'standards' to report fuel economy:

- a. Miles per Gallon (mpg) Imperial
(for Guinness World Records)
- b. Miles per Gallon (mpg) USA
- c. Litres per 100 Kilometers (L/100Km)
- d. Kilometers per Litre (Km/L)

Conversion Links:

<http://www.convert-me.com>
<http://www.goconvert.com/>

Helpful Links:

[How to Measure Your Vehicle's Fuel Efficiency](#)
[~ sample Fuel Saver's Log Form](#)
[5 Year Money Saving Calculator](#)
[Pollution Savings Calculator \(not yet available\)](#)
[Testimonial Form](#)
[Fuel Saver Frequently Asked Questions](#)
[Eagle-Research online store](#)