



2010 43QGP Allegro Bus

2/10/2013

78 – FYI – MY 2010 ALLEGRO BUS FUEL ECONOMY. Over the years as I grew older and in some ways wiser, my right foot has gotten lighter especially when it is resting on the coach's fuel pedal.

The fuel economy has been tracked on most of our RV's, the 2002 Bounder with its Cummins ISB consistently obtained 10 plus MPG. The 2007 Phaeton with the MBE 926 was consistently in the 9 MPG range. Now with the 2010 Allegro Bus with its EPA 2010 Cummins ISL we are averaging over 8 MPG. As coach's got heavier and engine's got larger MPG fuel economy got smaller.

I'll try to explain how the 8 MPG plus figure was arrived at. Our coach has the Aqua-Hot heating system. I used 0.5 gallons per hour as the fuel consumption figure when the burner is actually being fired. An hour meter was installed on the burner to display ACTUAL burner operating hours. The coach also has a 10KW Onan generator. A figure of 0.75 gallons per hour was used in the mileage computations, the Onan spec sheet states 0.5 GPH at idle, 0.75 GPH at half load and 1.0 GPH at full load.

During 2011 I did not keep track the amount of DEF (Diesel Exhaust Fluid) consumed by the coach.

We purchased our coach on 1/31/2011 with 6,525.0 miles on the odometer, and 261.2 hours on the generator. The Aqua-Hot did not have an hour meter installed at delivery. The Aqua-Hot's hour meter was installed on 5/17/2011. Based on our coach use between the purchase date and 5/17/2011, I figured the Aqua-Hot used hours to be about 75.0 hours. That is the reason why (negative) 75 hours shows up on 1/31/2011.

Between 1/31/2011 and 1/3/2012 we traveled 10,616.3 miles the three coach fuel systems consumed Total Fuel of 1493.38 gallons of fuel over that distance. Based on my per hour consumption figures, the Aqua-Hot consumed 74.6 gallons while the generator consumed another 115.9 gallons of fuel. I subtracted the Aqua-Hot and Generator consumed fuel from the Total Fuel (1,493.38 gallons) to arrive at the Net Fuel (1,302.96 gallons) consumed by the coach engine over a distance of 10,616.3 miles.

Total mileage (10,616.3 miles) was divided by the Net Fuel (1,302.96 gallons) to arrive at the coach 2011 Average Fuel Economy of **8.15 MPG**. Attached are the 2011 and 2012 Allegro Bus Fuel Consumption Excel Spreadsheets.

As seen in the 2012 Fuel Economy chart the 2012 coach fuel economy increased from **8.15 MPG** to **8.3 MPG** over the last almost 10,000 miles.

ALLEGRO BUS 2011 FUEL ECONOMY

DATE	MILEAGE	GALLONS	COST	A/H HRS	GEN HRS	DEF
1/31/2011	6,525.0			-75.0	261.2	
2/6/2011	6,989.5	71.44	\$ 250.00			
2/6/2011	7,126.2	17.05	\$ 59.00			
2/20/2011	7,441.3	42.60	\$ 145.00			
3/1/2011	7,998.5	79.26	\$ 290.00			
3/12/2011	8,340.9	43.00	\$ 167.25			
3/18/2011	8,501.8	34.90	\$ 132.68			
3/25/2011	8,990.2	61.08	\$ 232.11			
4/1/2011	9,246.1	47.12	\$ 179.97			
4/9/2011	9,685.6	67.10	\$ 265.00			
4/12/2011	10,083.6	50.51	\$ 200.00			
4/13/2011	10,376.4	35.86	\$ 147.00			
5/17/2011	10,965.1	80.00	\$ 307.90	0.0		
5/28/2011	11,313.3	51.03	\$ 198.99			
5/31/2011	11,612.6	34.00	\$ 133.25			
7/31/2011	12,127.7	70.14	\$ 270.00			
7/31/2011	12,434.3	36.76	\$ 145.56			
8/15/2011	12,881.6	54.60	\$ 207.42			
9/11/2011	13,080.2	50.00	\$ 192.45			
9/20/2011	13,681.0	77.22	\$ 281.00			
9/26/2011	14,097.2	60.46	\$ 217.00			
9/27/2011	14,549.6	55.26	\$ 200.00			
10/16/2011	15,380.8	72.79	\$ 270.00			
10/24/2011	15,368.4	46.33	\$ 170.00			
10/25/2011	15,776.4	55.00	\$ 208.85			
11/6/2011	16,030.1	41.72	\$ 160.59			
11/13/2011	16,449.0	56.85	\$ 211.44			
11/13/2011	16,786.4	41.70	\$ 162.71			
11/27/2011	16,984.5	33.62	\$ 131.08			
1/3/2012	17,141.3	25.98	\$ 98.54	74.1	415.7	FULL
				0.5	0.75	
	10,616.3	1,493.38	\$ 5,634.79	74.6	115.9	0
		1,302.96				
		8.15				
	Mileage	Total Fuel	Fuel Expense	A/H Fuel	Generator Fuel	DEF
		NET Fuel				
		Fuel MPG				

ALLEGRO BUS 2012 FUEL ECONOMY

DATE	MILEAGE	GALLONS	COST	A/H HRS	GEN HRS	DEF
1/3/2012	17,141.3			74.1	415.7	FULL
1/10/2012	17,494.0	40.04	\$ 154.14	75.2	415.7	
2/4/2012	17,787.8	38.50	\$ 149.00	78.3	420.4	
3/10/2012	18,172.3	49.64	\$ 200.00			
3/31/2012	18,816.4	84.84	\$ 352.85			2.5
4/14/2012				86.6	421.4	
4/15/2012	19,288.7	58.52	\$ 234.01			
4/28/2012	19,814.1	63.95	\$ 250.00			
4/28/2012	20,220.1	55.12	\$ 220.08			
5/4/2012				99.2	421.4	5.0
5/21/2012	20,689.1	57.82	\$ 223.14	99.5		
7/7/2012	21,082.4	55.80	\$ 197.00			
7/15/2012	21,615.0	72.00	\$ 254.70			
8/11/2012	22,115.7	58.50	\$ 225.58			
9/3/2012	22,630.7	69.44	\$ 277.70			
9/8/2012	23,102.5	62.73	\$ 232.04			
9/12/2012	23,878.5	86.69	\$ 326.73	100.3	446.1	
9/16/2012	24,231.0	39.49	\$ 154.00			
9/16/2012	24,730.0	62.96	\$ 258.07			5.0
10/7/2012	24,927.8	35.38	\$ 141.50			
10/15/2012	25,271.8	37.94	\$ 154.00	100.6	461.0	2.5
10/21/2012	25,372.2	17.73	\$ 72.00			
11/4/2012	25,645.8	37.49	\$ 148.43			
11/18/2012	25,844.2	40.36	\$ 159.00	120.4	484.3	
11/27/2012	26,296.8	58.03	\$ 230.31	133.0		2.5
12/7/2012	26,519.6	27.95	\$ 110.58			
1/19/2013	26,873.9	43.95	\$ 174.00	136.0	484.3	
				0.5	0.75	
	9,732.6	1,254.87	\$ 4,898.86	31.0	51.5	17.5
		1,172.47				
		8.30				
	Mileage	Total Fuel	Fuel Expense	A/H Fuel	Generator Fuel	DEF
		NET Fuel				
		Fuel MPG				
62.9 gallons of fuel for each gallon of DEF, approximately 523 road miles per gallon of DEF						