

PERFORMANCE TEST Sr-21 Cell WITH GREEN DIESEL UTILITY BOX CONDUCTED BY SID YOUNG

Volts	Amps	Sec/ Liter	fba	temp Cell in	temp Cell out	Lapsed Hrs,	Time Min	notes
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Fireinthewater.com email: sid@fireinthewater.com (fba=flash back arrestor)

GREEN DIESEL POWER BOX

PERFORMANCE TEST Sr-21 Cell (Utility Box) 10/21/09 2 gal distilled water with 1 tbsp KOH/ gallon

12.84	47.2	26	y	59.7	68.5		8	Everything fine
12.24	49.5	23	y	80.7	90.5	1	30	"
12.24	48.5	25	y	85.2	94.4	3	0	"
12.19	43.5	22	y	78.4	89.2	4	21	"
12.14	49	21	y	86.7	97.1	5	17	"
12.14	49	22	y	87.9	98.2	6	0	"
12.43	50	25	y	77.3	86.7	10	15	Lower 1/2 of desiccant, pinkish
12.3	48.1	23.4		79.4	89.2			Averages

Resumed Testing 10/22/09 early AM

13	34	25	y	63.8	68.7			
12.2	43-50	23	y	79.5	91.4	14	17	
12.6	17	24		71.65	80.05			Averages

14 hours 17 minutes running time 23.5 sec/L = 2,188 liters.

								Lowered Reservoir
12.03	52.9	21	y	93.3	100.2	6	34	Ok
11.64	55.7	19	y	98	103.6	10	54	wet in dryer bottom
11.58	58.3	19	y	98	102.9	11	56	
								changed plumbing back
11.89	60.9	17	y	95.7	101.3	12	20	
11.63	56.8	20	y	88.7	95	15	0	2700 liters of HHO
11.8	56.9	19.2		94.7	100.6			Averages

Summary

33 HOURS ON 5 qt of electrolyte produced 6800 liters of totally dry HHO =1306 liters per qt.

3 gallon reservoir will run about 80 hrs. That is 5.5 hrs per qt.

The Electrolyte tested pH 11.21 at start pH 11.80 at end

The Sr 21 cell rates at 3 liters per minute