

# Battery Additive Effect on Golf Cart Battery Bank

(Trojan T-890 8V)

Before Refurbish: 67% capacity at 1.180 AVG spgr

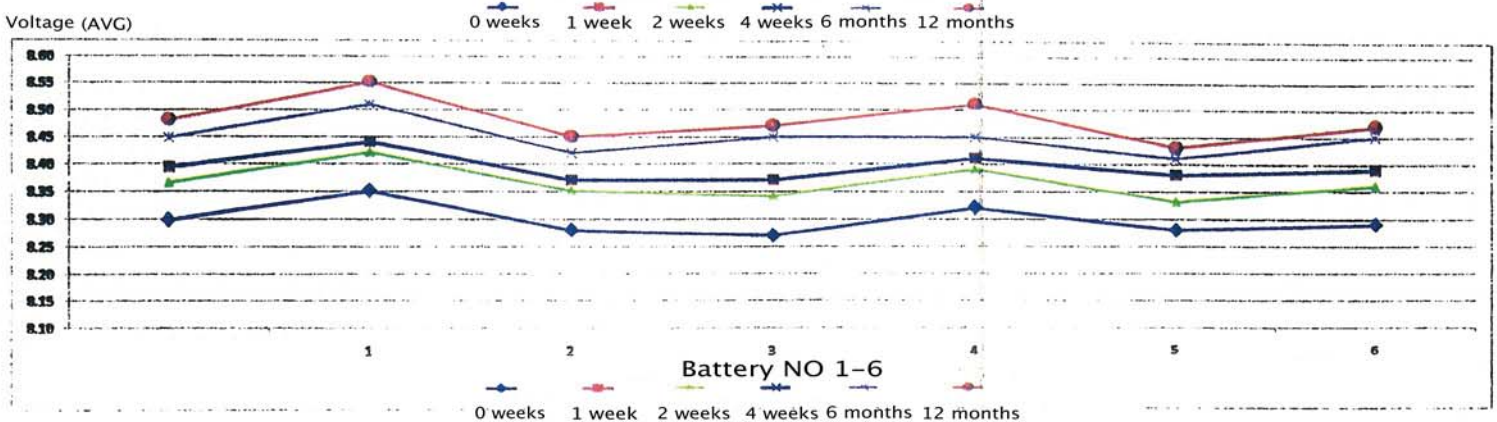
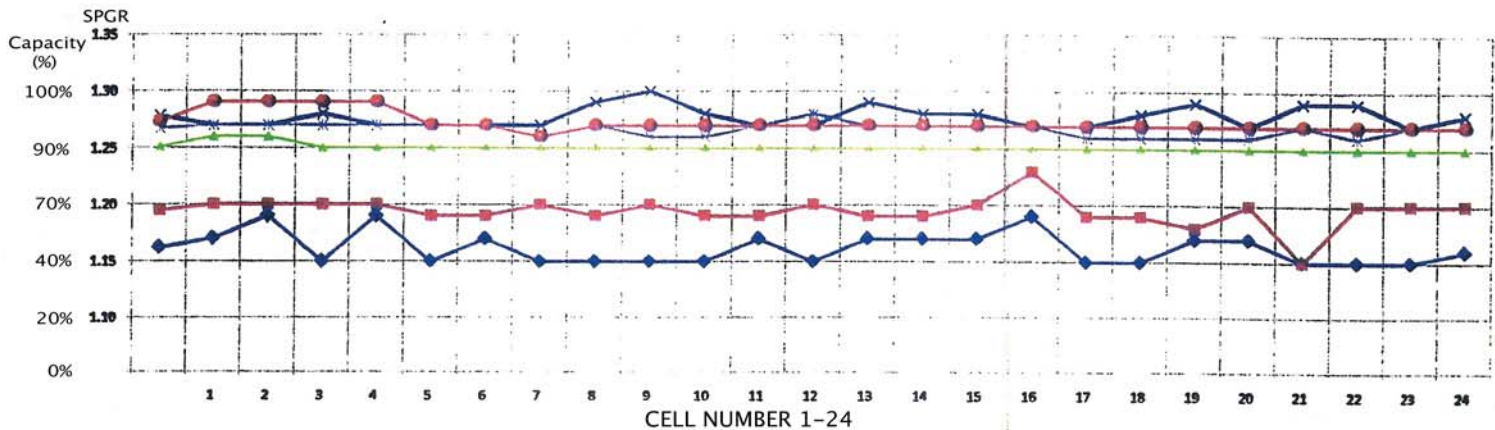
After Refurbish 1 year elapsed: 95% Capacity at 1.28 AVG Spgr

T-890 8V  
DEEP-CYCLE BATTERY

Type	T-890		
Weight (kg)	69 (31)		
Dimensions (mm)			
L	W	H	
10 36 (414)	7 58 (193)	10 78 (270)	
Capacity Minutes			
20hr	25hr	30hr	35hr
100	120	140	160
Cranking Performance			
5 Hr. Rate A1	30 Hr. Rate A1	Voltage	Terminal
100	100	12.8	12.8



Oct 10th, 2007			Oct 17th, 2007		Oct 23rd, 2007		Nov 7th, 2007		March 23rd, 2008		Sept, 14, 2008	
Original Battery Condition			1 Week Elapsed		2 Weeks Elapsed		4 Weeks Elapsed		6 Months Elapsed		12 Months Elapsed	
Cell Number	SPGR	Voltage	SPGR	Voltage	SPGR	Voltage	SPGR	Voltage	SPGR	Voltage	SPGR	Voltage
1	1.17	8.35V	1.20	8.44V	1.20	8.58V	1.27	8.42V	1.27	8.51V	1.28	8.55V
	1.19											
	1.19											
	1.19											
2	1.19	8.28V	1.19	8.37V	1.25	8.50V	1.27	8.35V	1.27	8.42V	1.27	8.45V
	1.17											
	1.19											
	1.18											
3	1.19	8.27V	1.20	8.37V	1.25	8.51V	1.20	8.34V	1.26	8.45V	1.27	8.47V
	1.19											
	1.17											
	1.19											
4	1.17	8.32V	1.19	8.41V	1.25	8.55V	1.20	8.38V	1.27	8.45V	1.27	8.51V
	1.17											
	1.19											
	1.19											
5	1.19	8.25V	1.19	8.38V	1.25	8.51V	1.20	8.33V	1.20	8.41V	1.27	8.43V
	1.17											
	1.17											
	1.19											
6	1.18	8.29V	1.18	8.39V	1.25	8.52V	1.20	8.36V	1.27	8.45V	1.27	8.47V
	1.18											
	1.18											
	1.18											



Method: 15CC battery additive was added to each cell of battery bank. 15ccx 24 cells= 360cc for whole cart. Cart was regularly used on daily basis, with normal battery cart charger. Golf cart would barely make 18 holes before additive.

Conclusion: After 4 weeks, battery bank capacity has improved to 90% of original working capacity.  
 After 6 months, battery bank capacity has improved to 95% of original working capacity.  
 After 12 months, battery bank capacity has shown to have stabilized voltage (8.50V) and gravity at 95% capacity (1.280 spgr).  
 Golf cart would drive over 28 holes with nearly full battery capacity after one year refurbish.