

Battery Additive Effect on two new batteries.

BLUE: Without Additive

RED: With Additive

(Yuasa 12v
GS55B24L)



Charge cycle	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
Cell No.	Charge 1	Discharge 1	CH2	DIS2	CH3	DIS3	CH4	DIS4	CH5	DIS5	CH6	DIS6	CH7	DIS 7	CH8	DIS 8	CH 9		
WITHOUT ADDITIVE	1	1.27	1.10	1.28	1.10	1.28	1.10	1.28	1.11	1.29	1.11	1.29	1.11	1.28	1.11	1.27	1.10	1.27	
	2	1.27	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.27	
	3	1.27	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.27	1.10	1.28	
	4	1.27	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.27	1.11	1.28	1.10	1.28	
	5	1.27	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.29	1.10	1.28	1.10	1.27	1.10	1.27	
	6	1.27	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.28	1.10	1.27	1.10	1.28	
	AVG Gravity	1.270	1.100	1.280	1.100	1.280	1.100	1.280	1.102	1.282	1.102	1.283	1.102	1.278	1.103	1.273	1.100	1.272	
WITH ADDITIVE	1	1.27	1.10	1.28	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	
	2	1.27	1.10	1.28	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30	1.10	1.30	1.11	1.30	1.10	1.30	
	3	1.27	1.10	1.28	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.30	1.10	1.29	1.11	1.30	1.11	1.29	
	4	1.27	1.10	1.28	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	
	5	1.27	1.10	1.28	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	
	6	1.27	1.10	1.28	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	
	AVG Gravity	1.270	1.100	1.280	1.110	1.290	1.110	1.295	1.110	1.297	1.110	1.300	1.107	1.298	1.110	1.300	1.108	1.298	
WITHOUT ADDITIVE	18	1.10	1.26	1.10	1.26	1.10	1.26	1.10	1.26	1.10	1.25	1.11	1.25	1.11	1.25	1.11	1.25	1.11	1.25
	19	1.10	1.27	1.10	1.27	1.10	1.26	1.10	1.26	1.10	1.26	1.10	1.25	1.10	1.24	1.10	1.24	1.10	1.24
	20	1.10	1.26	1.09	1.25	1.10	1.25	1.10	1.25	1.09	1.25	1.09	1.25	1.10	1.25	1.09	1.25	1.10	1.24
	21	1.10	1.27	1.10	1.27	1.10	1.27	1.10	1.27	1.10	1.26	1.09	1.26	1.09	1.26	1.10	1.25	1.09	1.24
	22	1.10	1.27	1.10	1.26	1.10	1.27	1.09	1.26	1.10	1.26	1.10	1.25	1.10	1.24	1.10	1.24	1.10	1.24
	23	1.10	1.28	1.10	1.27	1.10	1.27	1.10	1.27	1.10	1.27	1.10	1.27	1.10	1.27	1.10	1.26	1.10	1.25
	24	1.100	1.268	1.098	1.263	1.100	1.263	1.098	1.262	1.098	1.258	1.098	1.255	1.100	1.252	1.100	1.248	1.100	1.243
WITH ADDITIVE	25	1.11	1.30	1.11	1.30	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.28	1.11	1.30
	26	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.10	1.29	1.11	1.30
	27	1.10	1.29	1.11	1.29	1.10	1.28	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29
	28	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.29	1.11	1.30	1.11	1.29	1.11	1.29	1.11	1.30
	29	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30
	30	1.10	1.30	1.11	1.30	1.10	1.29	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.29	1.11	1.28	1.11	1.29
	31	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.30	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30
	32	1.107	1.298	1.110	1.298	1.107	1.293	1.110	1.295	1.110	1.292	1.110	1.295	1.110	1.295	1.108	1.290	1.110	1.297
WITHOUT ADDITIVE	36	1.10	1.24	1.10	1.24	1.10	1.23	1.10	1.23	1.09	1.23	1.09	1.22	1.09	1.20	1.08	1.20	1.10	1.20
	37	1.10	1.24	1.10	1.24	1.10	1.22	1.10	1.22	1.10	1.20	1.10	1.20	1.10	1.20	1.10	1.20	1.10	1.20
	38	1.10	1.23	1.09	1.22	1.08	1.22	1.09	1.20	1.09	1.20	1.09	1.19	1.09	1.19	1.10	1.19	1.10	1.19
	39	1.09	1.22	1.10	1.21	1.10	1.21	1.10	1.20	1.10	1.19	1.10	1.19	1.10	1.19	1.09	1.20	1.10	1.20
	40	1.10	1.24	1.10	1.23	1.10	1.21	1.09	1.20	1.10	1.20	1.09	1.20	1.09	1.20	1.08	1.20	1.10	1.20
	41	1.10	1.25	1.10	1.25	1.10	1.23	1.10	1.23	1.10	1.22	1.10	1.22	1.10	1.21	1.10	1.20	1.10	1.20
	42	1.098	1.237	1.098	1.232	1.097	1.220	1.097	1.213	1.097	1.207	1.095	1.203	1.095	1.198	1.092	1.198	1.108	1.198
WITH ADDITIVE	43	1.11	1.30	1.11	1.28	1.11	1.28	1.11	1.28	1.11	1.28	1.11	1.28	1.11	1.27	1.11	1.27	1.11	1.27
	44	1.10	1.30	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30
	45	1.11	1.29	1.10	1.29	1.11	1.29	1.10	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29
	46	1.11	1.30	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30
	47	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29	1.11	1.29
	48	1.11	1.30	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.29	1.11	1.29	1.11	1.30	1.11	1.30	1.11	1.30
	49	1.108	1.297	1.108	1.290	1.110	1.293	1.108	1.293	1.110	1.290	1.110	1.288	1.108	1.292	1.110	1.292	1.110	1.292

After 26 consecutive charge cycles:

Battery without additive voltage has dropped to 81%. (Sp gravity 1.198)

Battery with additive voltage has dropped 0% (Sp gravity 1.292)