

## Battery Regeneration Report by ZEUS ZBR-101

No			Model	MIDAC 12x3sh125-g			Mfg.		
Volt	24	Ah	375	RC			Type		
Cell	Volt	Gravity	Volt	Gravity	Volt	Gravity	Volt	Gravity	Remark
	Initial Measurement		1st Regeneration		1st Discharge		2nd Regeneration		
1	2.12	1.24	2.09	1.26					
2	2.13	1.26	2.10	1.27					
3	2.14	1.26	2.11	1.28					
4	2.12	1.260	2.11	1.28					
5	2.11	1.27	2.10	1.28					
6	2.12	1.26	2.10	1.27					
7	2.14	1.26	2.11	1.28					
8	2.12	1.25	2.10	1.27					
9	2.12	1.26	2.11	1.27					
10	2.13	1.26	2.10	1.27					
11	2.13	1.26	2.11	1.28					
12	2.11	1.24	2.08	1.26					
13									
14	163 min discharging time		198 min discharging time						
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									
<b>Total</b>	<b>25.49</b>	<b>.</b>	<b>25.22</b>	<b>.</b>		<b>.</b>		<b>.</b>	

## Battery Regeneration Report

No	Sungwoo Hitech	Model	25350-23131-71			Product	KOBE		
Volt	48	Ah	565 (5H)	RC		manufacture : 2001.7.31			

Cell	V	S-G	V	S-G	V	S-G	V	S-G	Remark
	Initial Measurement		1st Regeneration		1st Discharge		2nd Regeneration		
1	2.1	1.24	2.1	1.27	1.9	1.22	2.1	1.27	
2	2.1	1.24	2.1	1.265	1.9	1.21	2.1	1.265	
3	2.1	1.25	2.1	1.28	1.9	1.22	2.1	1.28	
4	2.1	1.225	2.1	1.26	1.9	1.19	2.1	1.26	
5	2.1	1.25	2.1	1.275	1.9	1.22	2.1	1.275	
6	2.1	1.25	2.1	1.28	1.9	1.23	2.1	1.28	
7	2.1	1.25	2.1	1.28	1.9	1.22	2.1	1.28	
8	2.1	1.21	2.0	1.24	1.9	1.18	2.0	1.24	BAD CELL
9	2.1	1.24	2.1	1.27	1.9	1.22	2.1	1.27	
10	2.1	1.24	2.1	1.27	1.9	1.22	2.1	1.27	
11	2.1	1.24	2.1	1.27	1.9	1.22	2.1	1.27	
12	2.1	1.23	2.1	1.26	1.9	1.20	2.1	1.26	
13	2.1	1.26	2.1	1.285	1.9	1.22	2.1	1.285	
14	2.1	1.225	2.1	1.26	1.9	1.19	2.1	1.26	
15	2.1	1.25	2.1	1.28	1.9	1.22	2.1	1.28	
16	2.1	1.22	2.1	1.26	1.9	1.19	2.1	1.26	
17	2.1	1.24	2.1	1.27	1.9	1.21	2.1	1.27	
18	2.1	1.22	2.1	1.26	1.9	1.20	2.1	1.26	
19	2.1	1.27	2.1	1.295	1.9	1.22	2.1	1.295	
20	2.1	1.235	2.1	1.27	1.9	1.21	2.1	1.27	
21	2.1	1.25	2.1	1.28	1.9	1.21	2.1	1.28	
22	2.1	1.26	2.1	1.29	1.9	1.22	2.1	1.29	
23	2.1	1.235	2.1	1.26	1.9	1.19	2.1	1.26	
24	2.1	1.24	2.1	1.27	1.9	1.20	2.1	1.27	

\* Before Regeneration : Discharging Time : 90 minutes

\* After Regeneration : Discharging Time : 210 minutes

## Battery Regeneration Report by ZEUS ZBR-101

No	SASMAC		Model	S1103045		Mfg.	GS YUASA	
Volt	48	Ah	400.0	RC		Type	3FBB15-D8AC-1X	

Cell	Volt	Gravity	Volt	Gravity	Volt	Gravity	Volt	Gravity	Remark
	Initial Measurement		1st Generation		1st Discharge		2nd Regeneration		
1	1.81	1.22	2.01	1.26					
2	1.75	1.21	2.03	1.28					
3	1.71	1.22	2.04	1.26					
4	1.76	1.19	2.10	1.27					
5	1.78	1.22	2.05	1.27					
6	1.77	1.23	2.05	1.26					
7	1.74	1.22	2.10	1.25					
8	1.51	1.18	2.04	1.27					
9	1.78	1.22	2.10	1.27					
10	1.80	1.22	2.02	1.24					
11	1.57	1.22	2.02	1.25					
12	1.75	1.20	2.10	1.25					
13	1.80	1.22	2.10	1.26					
14	1.78	1.19	2.10	1.26					
15	1.65	1.22	2.10	1.24					
16	1.53	1.19	2.01	1.27					
17	1.76	1.21	2.10	1.24					
18	1.64	1.20	2.04	1.26					
19	1.62	1.22	2.05	1.24					
20	1.56	1.21	2.05	1.24					
21	1.69	1.21	2.05	1.26					
22	1.60	1.22	2.00	1.26					
23	1.75	1.19	2.00	1.25					
24	1.67	1.20	2.10	1.26					
TTL	40.78	>>>>	49.36						

\* Before Regeneration : Discharging Time : 23 minutes

\* After Regeneration : Discharging Time : 146 minutes

## Battery Regeneration Report

No	KOREA MOTOROL	Model	VCF 320			Product	Rocket battery	
Volt	48	AH	320 / 5hr	RC		manufacture : 2002. 8.19		

Cell	V	Gravity	V	Gravity	V	Gravity	V	Gravity	Remark
	Full Charge		Full Discharge		1st Regeneration		1st Discharging		
1	2.1	1.24	2.0	1.21	2.1	1.25	2.0	1.19	
2	2.1	1.26	1.9	1.23	2.1	1.27	2.0	1.20	
3	2.0	1.20	1.9	1.17	2.1	1.23	2.0	1.17	
4	2.1	1.25	1.9	1.22	2.1	1.26	2.0	1.19	
5	1.9	1.22	2.0	1.18	2.1	1.23	1.9	1.17	
6	2.0	1.21	2.0	1.18	2.1	1.23	2.0	1.15	
7	2.0	1.21	2.0	1.18	2.1	1.23	1.9	1.16	
8	2.0	1.21	2.0	1.18	2.1	1.24	2.0	1.17	
9	2.0	1.22	2.0	1.19	2.1	1.24	2.0	1.16	
10	2.0	1.21	2.0	1.18	2.1	1.23	2.0	1.16	
11	2.0	1.21	2.0	1.18	2.2	1.23	2.0	1.15	
12	1.8	1.22	2.0	1.19	2.1	1.24	2.0	1.19	
13	2.0	1.21	2.0	1.18	2.1	1.23	2.0	1.17	
14	2.0	1.21	2.0	1.18	2.1	1.23	2.0	1.16	
15	2.1	1.24	2.0	1.21	2.1	1.25	1.9	1.19	
16	2.0	1.21	2.0	1.18	2.1	1.23	2.0	1.16	
17	2.0	1.20	2.0	1.16	2.0	1.21	2.0	1.15	
18	2.0	1.22	2.0	1.18	2.1	1.23	2.0	1.16	
19	2.1	1.25	2.0	1.22	2.1	1.25	2.0	1.19	
20	2.1	1.25	2.0	1.22	2.1	1.26	2.0	1.20	
21	2.1	1.24	2.0	1.2	2.1	1.25	2.0	1.17	
22	2.0	1.21	2.0	1.18	2.1	1.23	1.9	1.16	
23	2.0	1.23	2.0	1.19	2.1	1.23	2.0	1.17	
24	2.0	1.23	2.0	1.19	2.1	1.24	2.0	1.16	

48.4

RC 64 min. 50.4

RC 101 min.

\* Before Regeneration : Discharging Time : 64 minutes

\* After Regeneration : Discharging Time : 101 minutes

## Battery Regeneration Report

No	DongYang L&F		Model	FB 30EX-8		Product	YUASA
Volt	72	Ah	450	RC	before 2:50		

Cell	V	Gravity	V	Gravity	V	Gravity	V	Gravity	Remark
	1st Regeneration		1st Discharge		Charge (User's)				
1	2.10	1.27	1.87	1.10	2.10	1.27			
2	2.09	1.26	1.86	1.07	2.09	1.26			
3	2.10	1.26	1.87	1.08	2.10	1.27			
4	2.10	1.26	1.88	1.08	2.10	1.27			
5	2.11	1.27	1.88	1.09	2.10	1.28			
6	2.10	1.27	1.86	1.08	2.09	1.27			
7	2.10	1.27	1.88	1.08	2.10	1.27			
8	2.11	1.28	1.90	1.10	2.11	1.28			
9	2.11	1.28	1.89	1.09	2.11	1.27			
10	2.11	1.28	1.90	1.09	2.11	1.28			
11	2.10	1.26	1.88	1.08	2.10	1.27			
12	2.10	1.26	1.89	1.08	2.10	1.27			
13	2.09	1.26	1.87	1.07	2.09	1.26			
14	2.10	1.26	1.89	1.08	2.10	1.27			
15	2.09	1.26	1.87	1.07	2.09	1.26			
16	2.10	1.26	1.88	1.08	2.09	1.26			
17	2.10	1.27	1.89	1.08	2.10	1.27			
18	2.10	1.26	1.88	1.08	2.10	1.27			
19	2.10	1.26	1.88	1.08	2.10	1.26			
20	2.10	1.27	1.88	1.08	2.10	1.27			
21	2.11	1.27	1.90	1.10	2.11	1.27			
22	2.10	1.27	1.88	1.08	2.10	1.27			
23	2.10	1.26	1.89	1.08	2.10	1.26			
24	2.09	1.26	1.88	1.08	2.09	1.26			
25	2.10	1.27	1.89	1.09	2.10	1.27			
26	2.10	1.26	1.88	1.08	2.10	1.26			
27	2.11	1.27	1.90	1.09	2.11	1.27			
28	2.10	1.26	1.89	1.08	2.10	1.27			
29	2.10	1.27	1.89	1.08	2.10	1.27			
30	2.10	1.26	1.88	1.08	2.09	1.26			
31	2.10	1.27	1.89	1.08	2.10	1.27			
32	2.11	1.28	1.90	1.09	2.11	1.28			
33	2.10	1.26	1.89	1.08	2.09	1.26			
34	2.10	1.26	1.88	1.08	2.09	1.26			
35	2.11	1.27	1.90	1.09	2.11	1.27			
36	2.10	1.26	1.88	1.07	2.09	1.26			

CV : 63V Discharging Current : 90A

75.64    1.265833    67.82    1.0825    75.57    1.267778

RC : 5:50

RC : 4:00

## Battery Regeneration Report

No	HanSung Forklift		Model	VCJ7 (Rocket)		Product	Rocket	
Volt	80	Ah	700	RC				

Cell	V	Gravity	V	Gravity	V	Gravity	V	Gravity	Remark
	Initial Measurement		1st Regeneration		1st Discharge		2nd Regeneration		
1	1.9	1,250	2.1	1,280	RC 4 : 10				
2	2.0	1,200	2.1	1,280					
3	2.1	1,190	2.1	1,280					
4	2.0	1,180	2.1	1,280					
5	2.1	1,170	2.1	1,280					
6	1.8	1,130	2.1	1,280					
7	1.9	1,110	2.1	1,280					
8	1.9	1,100	2.1	1,280					
9	1.9	1,075	2.1	1,280					
10	2.0	1,120	2.1	1,280					
11	2.0	1,090	2.1	1,280					
12	1.9	1,070	2.1	1,280					
13	1.8	1,050	2.1	1,280					
14	1.8	1,050	2.1	1,280					
15	1.9	1,070	2.1	1,280					
16	1.7	1,050	2.1	1,280					
17	1.8	1,040	2.1	1,240					
18	1.8	1,020	2.1	1,240					
19	1.9	1,050	2.1	1,280		RC 3 : 40			
20	1.9	1,070	2.1	1,280					
21	2.1	1,070	2.1	1,240					
22	2.0	1,050	2.1	1,240					
23	1.7	0	2.1	1,230					
24	0	0	2.0	1,180					
25	1.5	0	2.1	1,240					
26	1.8	0	2.1	1,280					
27	0	0	2.0	1,220					
28	0	0	2.0	1,130					
29	0	0	2.0	1,100					
30	1.8	0	2.1	1,240					
31	1.7	0	2.1	1,280					
32	2.1	0	2.1	1,280					
33	1.3	0	2.1	1,280					
34	1.6	0	2.1	1,280					
35	1.9	1,060	2.1	1,280					
36	1.8	0	2.1	1,280					
37	1.9	1,050	2.1	1,280					
38	1.9	1,060	2.1	1,280					
39	1.8	1,080	2.1	1,280					
40	2.0	1,200	2.1	1,280					

67.0

83.6

RC 3: 55