

# GS YUASA BATTERY 340AH forklift

- Battery Maker  
GS Yuasa
- Battery Model  
VGI340(GI340-24-2E-AB)
- Forklift Mfg No  
BV7P23K-0125-Z
- Battery No.  
5242236-43
- AH/5HR  
340
- Pre refurbish date  
2012.03.28
- Post refurbish date  
2012.05.26

CELL No.	Specific Gravity	
	Before	After
1	1.30	1.30
2	1.23	1.30
3	1.30	1.30
4	1.30	1.29
5	1.27	1.26
6	1.30	1.30
7	1.30	1.30
8	1.30	1.30
9	1.30	1.30
10	1.30	1.30
11	1.30	1.30
12	1.30	1.30
13	1.29	1.30
14	1.30	1.30
15	1.29	1.30
16	1.30	1.30
17	1.30	1.29
18	1.30	1.30
19	1.30	1.30
20	1.30	1.29
21	1.30	1.29
22	1.30	1.30
23	1.30	1.29
24	1.30	1.30

CELL No.	Voltage	
	Before	After
1	2.202	2.225
2	2.117	2.235
3	2.188	2.232
4	2.200	2.236
5	2.146	2.223
6	2.193	2.252
7	2.208	2.255
8	2.194	2.235
9	2.209	2.238
10	2.206	2.234
11	2.205	2.244
12	2.209	2.249
13	2.206	2.258
14	2.197	2.236
15	2.198	2.240
16	2.202	2.237
17	2.202	2.228
18	2.208	2.250
19	2.200	2.257
20	2.187	2.231
21	2.197	2.235
22	2.192	2.237
23	2.193	2.237
24	2.193	2.256

Lift up count	
Lift count pre refurbish	Lift count post refurbish
233 lifts	386 lifts

ForkLift indicator lift count

6→5 ... 117

5→4 ... 198

4→3 ... 268

3→2 ... 321

2→1 ... 348

1→0 ... 386

Comments: Lift count was increased by 60% from 233-386 count. Because battery is still relatively new 165% increase in battery life is estimated.

## 340 AH FORKLIFT PRE REFURBISH DATA

Battery Maker	Battery Model	Forklift battery mfg no	Mfg date	Battery No	AH/5HR
GS Yuasa	VGI340(GI340-24-2E-AB)	BV7P23K-0125-Z	2005	5242236-43	340

### 1. Pre refurbish data Gravity/Voltage

Test Date	Start Voltage																							
2012.03.28	52.5																							
Cell no	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
SP Gravity	1.30	1.23	1.30	1.30	1.27	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.30	1.29	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30
Voltage	2.202	2.117	2.188	2.200	2.146	2.193	2.208	2.194	2.209	2.206	2.205	2.209	2.206	2.197	2.198	2.202	2.202	2.208	2.200	2.187	2.197	2.192	2.193	2.193

Comments: Cell no 2 water level was filled to normal levels. Cells number 2 and 5 showed a difference of over 0.04 specific gravity and will be under special observation during refurbishing operation. Possibility of cell replacement is necessary.

### 2. Lift up count data

Test start time	Lift load Kg																							
14:08	1,132Kg																							
時刻	14:38	15:08	15:38	16:03																				
回数	64	122	183	233																				

Comments: Test data was recorded at 30 minute intervals. Load consisted of four 275 Kg drums. .

## 340AH FORKLIFT POST REFURBISH DATA

Battery Maker	Battery Model	Forklift battery mfg no	Mfg date	Battery No	AH/5HR
GS Yuasa	VGI340(GI340-24-2E-AB)	BV7P23K-0125-Z	2005	5242236-43	340

### 1. Post refurbish data Gravity/Voltage

Test Date	Start Voltage																							
2012.05.26	53.9V																							
Cell no	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
SP Gravity	1.30	1.30	1.30	1.29	1.26	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.30	1.29	1.30	1.30	1.29	1.29	1.30	1.29	1.30
Voltage	2.225	2.235	2.232	2.236	2.223	2.252	2.255	2.235	2.236	2.234	2.244	2.249	2.258	2.236	2.240	2.237	2.228	2.250	2.257	2.231	2.235	2.237	2.237	2.256

Comments: Battery was recovered from 52.5V to 53.9V. Cell 2 and Cell 5 gravity and voltage were returned to like new levels.

### 2. Lift up count data

Test start time	Lift load Kg																							
11:35	1,172kg																							
Time	12:05	12:35	13:05	13:35	14:05	14:35	15:05	15:35	16:05	16:17														
Lifts	77	158	Rest	226	Rest	295	Rest	365	Rest	386														

Comments: Test data was recorded at 30 minute intervals. Rests were taken at one hour intervals as the forklift motor began to overheat from weight of load. Load consisted of four 275 Kg drums. .