

TRACTION BATTERY – Specific Gravity reading Log

On electrically powered trucks the specific gravity (**S.G.**) of the traction batteries should be taken and recorded before and after each charge using the table below.

Each table is numbered 1-24 and the cells of the battery should be numbered accordingly. This can be done by simply painting numbers on each cell cap with a small paint brush. (This form can also be used for 36 and 48 cell batteries)

EXAMPLE: On a lift truck with 24 cells, each cell is given a number from 1 to 24. Sample readings are taken and recorded on the chart as shown below. The top reading represents „before charging” and the bottom reading „after charging” and then initialled by the person who carried out the check.

Fork Truck – Serial Number:

Battery Serial Number:

Date of first reading:

Date of last reading:

| | |
|---|---|
| 1 | <div style="font-size: 10px; margin-bottom: 2px;">Cell number</div> <div style="font-size: 12px; margin-bottom: 2px;">1.150 K.P</div> <div style="font-size: 12px;">1.260 R.E</div> |
|---|---|

Specific gravity before charging
Initials of person checking S.G.

Specific gravity after charging
Initials of person checking S.G.

| | | | |
|----------------------|----------------------|----------------------|----------------------|
| 1 | 2 | 3 | 4 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 8 | 7 | 6 | 5 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 9 | 10 | 11 | 12 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 16 | 15 | 14 | 13 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 17 | 18 | 19 | 20 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 24 | 23 | 22 | 21 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 25 | 26 | 27 | 28 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 32 | 31 | 30 | 29 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 33 | 34 | 35 | 36 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 40 | 39 | 38 | 37 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 41 | 42 | 43 | 44 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 48 | 47 | 46 | 45 |
| <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

All cells should be checked within 28 days or by the seventh charge. Specific gravity: 1.280 FULL 1.140 FLAT