

## BATTERY INSPECTION CHECKLIST

**Location:**

**Battery Details**

**Machine Details**

<b>Model</b> :	<b>Unit No.</b> :
<b>Voltage</b> :	<b>Model</b> :
<b>Ah / CCA</b> :	<b>Last fitment</b> :

Visual Inspection		OK	Not OK	N/A	Remarks (If Not OK)
1	Battery Brakcet & Mounting bolt				
2	Battery Box (Battery Case)				
3	Guard Cover for Batteries				
4	Poles for Batteries				
5	Holes for Ventilation and Battery Vent Caps				
6	Levels of Battery Electrolyte (if not Free Service Type)				
7	Partitions+ Battery Cells				
8	Battery Terminals & Connector				
9	Battery Cables (-) and (+)				
<b>Technical Inspection</b>					<b>Specifications</b>
10	Specific Gravity of Electrolytes (Hydrometer)	..... Sec		<b>AVERAGE : 1.220 - 1.270 Sec</b>	
11	Voltages Generated by the Alternator When the Engine Is Running	..... V DC		<b>25.5 - 28.5 V DC</b>	
12	Engine Running Battery Voltages (Unloaded)	..... V DC		<b>25.5 - 28.5 V DC</b>	
13	Engine Running (Fully Loaded) Battery Voltages	..... V DC		<b>27 - 25 V DC</b>	
14	Voltage of the Battery while Engine Off	..... V DC		<b>25.2 V DC, Total Battery</b>	
15	Are there any discurrent or case drains ? Multimeter set at 35 mA.	..... mA		<b>&lt; 20mA</b>	

16	Battery Load Testing (should be carried out) Loaded with 200A for 10-15 seconds (AVERAGE).	..... V DC	> <b>9,6 VDC, Per Battery</b>
17	Check for Open Circuit/Short Circuit		

**Inspected By:**

Electrician (Technical) : \_\_\_\_\_  
 Name & signature

Battery load test (Volt/Ampere) Position

1	2	3	4
5	6	7	8

**Recommendation Action by the Electric Supervisor or Lead Hand**

Battery Replacement?              
 Yes                              No

\_\_\_\_\_  
**Name and Signature**

**Note:**

Battery should be **Replaced** if

- Point 2,4 & 7: Badly damage
- Point 16: < 6,5 VDC or < 300A

Battery should be **Recharged** if

- All Visual Inspection OK

~ Point 16 in Range: 6,5 VDC - 9,6 VDC