



SAFT

Nickel-Cadmium Batteries Maintenance Report

Ref N° _____

Battery end-user company name: _____

Battery location: _____ Installation date (yy/mm/dd): _____

Battery cell type: _____ Number of cells: _____ Date code (ex: 1302) _____

Pilote cell no: _____ (rotate yearly) Ambient (battery room) temperature (°C): _____

Battery charger: _____ Model: _____

Note: This inspection should be made under normal float conditions!

Visual Inspection	Remarks	
	YES	NO
Note: Provide comments if any discrepancy		
Battery Inspection		
Intact cell vent plugs		
Intact plastic containers (no leakage of electrolyte)		
Intact terminals (positive & negative), no salt accumulation		
Intact connectors (no hot spots and no loose connectors)		
Intact terminals & connectors (no evidence of corrosion)		
Intact battery racks (no evidence of corrosion)		
Intact cell electrolyte level (between MIN and MAX level mark)		
Intact battery, clean and dry (free from dust and damp)		
Intact battery room ventilation		
Safety equipment inspection		
Goggles, face shield, gloves, apron available		
Eye wash available		

Date (yy/mm/dd)	Charge voltage settings		Electrolyte level above MIN mark ± (mm)	Pilot cell readings		
	Terminal voltage (V)	Float current (A)		Cell no.	Volt (V)	Temp. (°C)

Please record the readings of the individual cell voltage with 3 digits after the dot (ex: 1.413)

Maintenance/Corrective action

Water replenishment (circle the cell no)		High rate (Boost charge)			Discharge test		
Date (yy/mm/dd)	Quantity (l)	Date (yy/mm/dd)	Voltage (V)	Duration (h)	Date (yy/mm/dd)	Load (A)	Duration (h)

Comments:

Type of test

Float charge:

Charging current _____ A
 Charging voltage _____ V
 Battery voltage _____ V

High rate charge:

Charging current _____ A
 Charging voltage _____ V
 Charging time _____ h

Discharge:

Discharge current _____ A
 Discharge time _____ h

Individual cell voltage

Cell	Volt	Cell	Volt	Cell	Volt	Cell	Volt	Cell	Volt	Cell	Volt
1		31		61		91		121		151	
2		32		62		92		122		152	
3		33		63		93		123		153	
4		34		64		94		124		154	
5		35		65		95		125		155	
6		36		66		96		126		156	
7		37		67		97		127		157	
8		38		68		98		128		158	
9		39		69		99		129		159	
10		40		70		100		130		160	
11		41		7		101		131		161	
12		42		72		102		132		162	
13		43		73		103		133		163	
14		44		74		104		134		164	
15		45		75		105		135		165	
16		46		76		106		136		166	
17		47		77		107		137		167	
18		48		78		108		138		168	
19		49		79		109		139		169	
20		50		80		110		140		170	
21		51		81		111		141		171	
22		52		82		112		142		172	
23		53		83		113		143		173	
24		54		84		114		144		174	
25		55		85		115		145		175	
26		56		86		116		146		176	
27		57		87		117		147		177	
28		58		88		118		148		178	
29		59		89		119		149		179	
30		60		90		120		150		180	

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Date (yy/mm/dd): _____

Test carried out by: _____

Signature: _____

End-user: _____

Signature: _____

Type of test

Float charge:

Charging current _____ A
 Charging voltage _____ V
 Battery voltage _____ V

High rate charge:

Charging current _____ A
 Charging voltage _____ V
 Charging time _____ h

Discharge:

Discharge current _____ A
 Discharge time _____ h

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4		34		64		94		124		154	
5		35		65		95		125		155	
6		36		66		96		126		156	
7		37		67		97		127		157	
8		38		68		98		128		158	
9		39		69		99		129		159	
10		40		70		100		130		160	
11		41		7		101		131		161	
12		42		72		102		132		162	
13		43		73		103		133		163	
14		44		74		104		134		164	
15		45		75		105		135		165	
16		46		76		106		136		166	
17		47		77		107		137		167	
18		48		78		108		138		168	
19		49		79		109		139		169	
20		50		80		110		140		170	
21		51		81		111		141		171	
22		52		82		112		142		172	
23		53		83		113		143		173	
24		54		84		114		144		174	
25		55		85		115		145		175	
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Charging current _____ A
Charging voltage _____ V
Battery voltage _____ V

High rate charge:

Charging current _____ A
Charging voltage _____ V
Charging time _____ h

Discharge:

Discharge current _____ A
Discharge time _____ h

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 Charging voltage _____ V
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 Charging voltage _____ V Charging voltage _____ V Discharge time _____ h
 Battery voltage _____ V Charging time _____ h

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