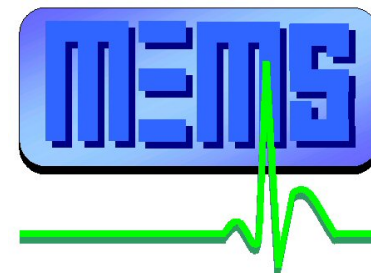




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NAMDET Survey: T34 battery Performance July 2020

MDSO WebEx 2nd September 2020



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**national association of
medical device educators & trainers**





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Survey.

- A 10 question survey based on T34 battery performance
- Live throughout July 2020
- 60 respondents (some with multiple reports)
- MASSIVE THANK YOU TO ALL THOSE THAT CONTRIBUTED :)





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10 questions

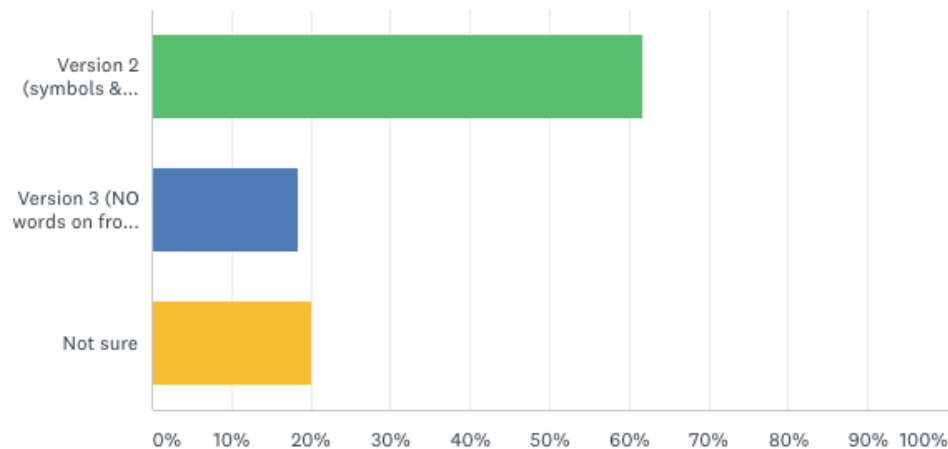
1. What **version** of T34 was in use at the time of battery failure?
2. If available , please record the **serial number** of the T34 used
3. What **manufacture** of battery was being used at the time?
4. What battery **type** was being used at the time?
5. What is the **batch number** of the battery that failed (bottom of battery case or box)
6. **How long** after pressing START, before the battery failed?
7. Did the faulty battery **recover** and allow the T34 to start again?
8. Did the T34 have the battery compartment '**sponge modification**' in place?
9. What about the **battery connectors** of the T34?
10. In terms of **patient safety and well being** how would you rate this particular T34 failing during use?



Q1

What version of T34 was in use at the time of battery failure?

Answered: 60 Skipped: 0



ANSWER CHOICES	RESPONSES	
Version 2 (symbols & words on front panel buttons)	61.67%	37
Version 3 (NO words on front panel buttons, only symbols)	18.33%	11
Not sure	20.00%	12
TOTAL		60





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Q2 If available , please record the serial number of the T34 used

Answered: 43 Skipped: 17

Too many to list. Consistent issues with all V3 pumps. V3 pumps should not have been released without prior testing. V3 pumps should not be sold as a 24hr pump as the pumps do not meet the specification

Serial No S23658 18210 18217 S03001473 18230 S03002359 S79564 17347 17876 5170400334

We have had six cases to date. Serial numbers not to hand.

S61502, S36031, S38628, S36259, S36170, S38605,

No power failures as yet

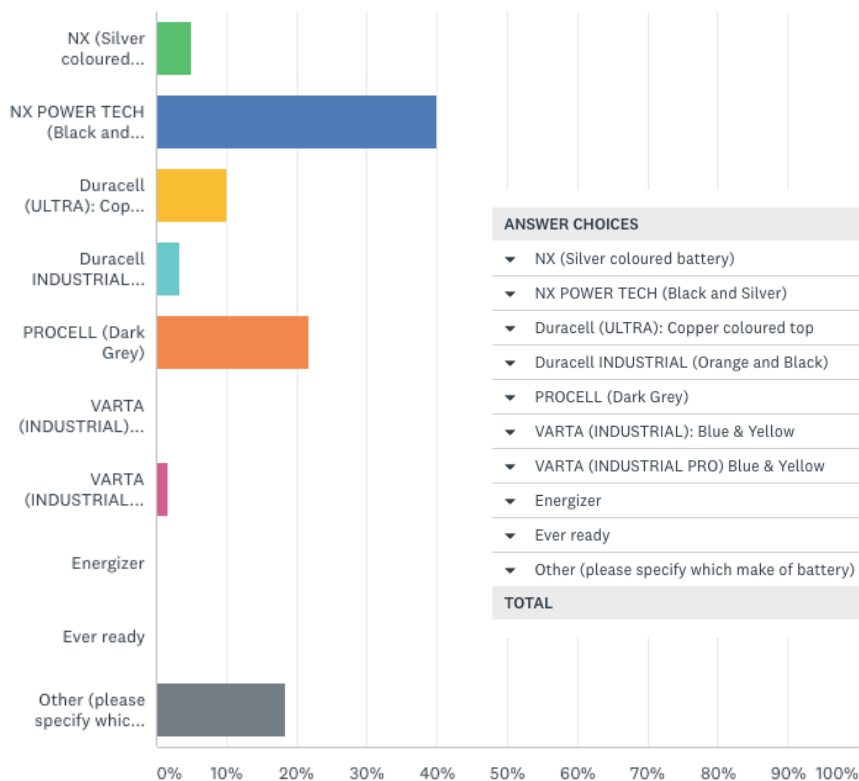
multiple. Some pumps date back to 2012, others are more recently manufactured





Q3 What manufacture of battery was being used at the time?

Answered: 60 Skipped: 0



ANSWER CHOICES	RESPONSES
▼ NX (Silver coloured battery)	5.00% 3
▼ NX POWER TECH (Black and Silver)	40.00% 24
▼ Duracell (ULTRA): Copper coloured top	10.00% 6
▼ Duracell INDUSTRIAL (Orange and Black)	3.33% 2
▼ PROCELL (Dark Grey)	21.67% 13
▼ VARTA (INDUSTRIAL): Blue & Yellow	0.00% 0
▼ VARTA (INDUSTRIAL PRO) Blue & Yellow	1.67% 1
▼ Energizer	0.00% 0
▼ Ever ready	0.00% 0
▼ Other (please specify which make of battery)	Responses 18.33% 11
TOTAL	60





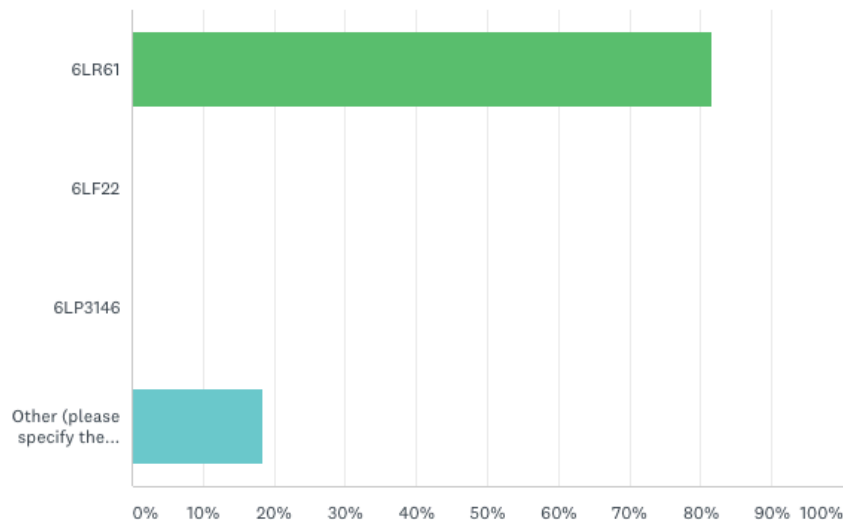
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Q4

What battery type was being used at the time?

Answered: 60 Skipped: 0



ANSWER CHOICES	RESPONSES	
▼ 6LR61	81.67%	49
▼ 6LF22	0.00%	0
▼ 6LP3146	0.00%	0
▼ Other (please specify the type)	Responses 18.33%	11
TOTAL		60





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Q5 What is the batch number of the battery that failed (see bottom of battery case or box)

Answered: 41 Skipped: 19

113

114

03-2025/095

03-2024/169

1013517

113

095

03-2024/169

9205A96601

11-1024/113

03-2025/095

11--2023 /402

113, 095

03-2025/095

11-2024/113

11-2024/113

All batch numbers.

BN: 113 and expiry date: 11/2024

its not a battery issue

All batches

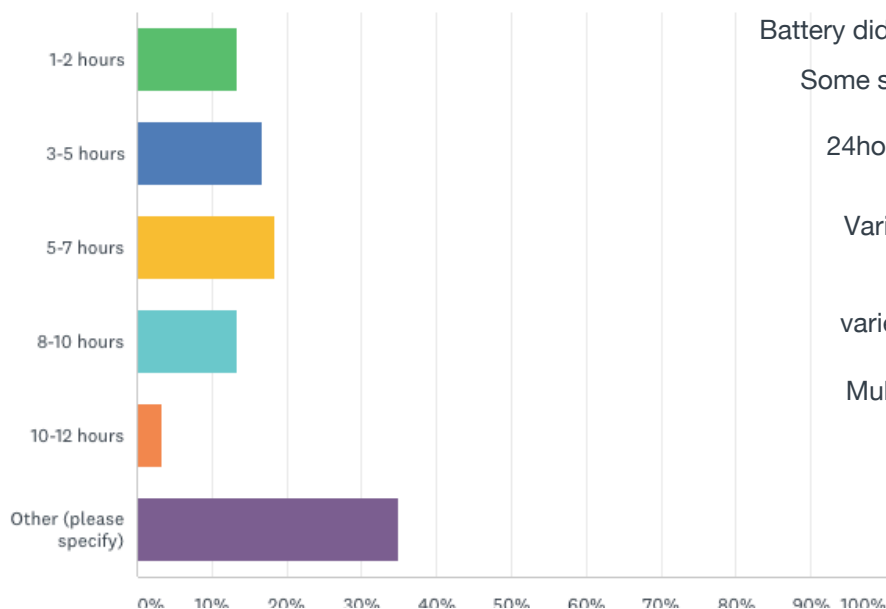
Not available. Not 113 /169

Different batches over different sites



Q6 How long after pressing START, before the battery failed?

Answered: 60 Skipped: 0



Battery did not fail, heated up to the point of burning hand

Some straight away other varied from 1-8hrs

24hours between 3 - 8 hours

Various but never 24 hours.

varied once about 4hours sometimes 8 hours

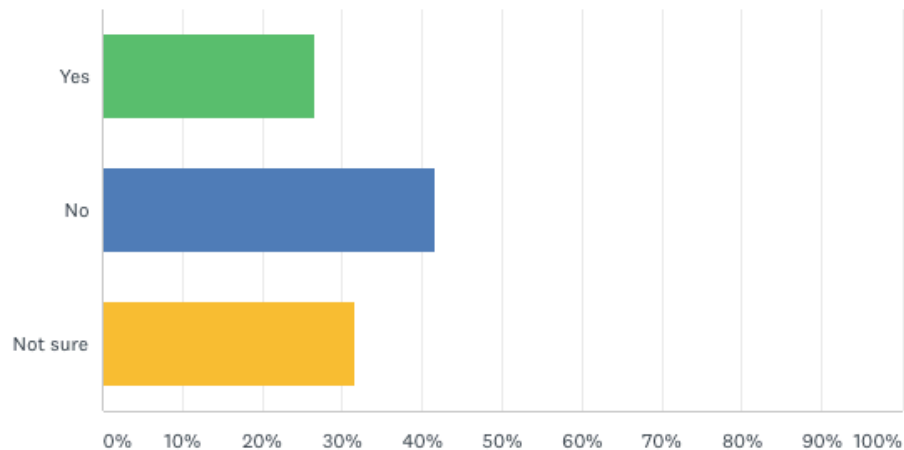
Multiple times in a 24 hour period

ANSWER CHOICES	RESPONSES
▼ 1-2 hours	13.33% 8
▼ 3-5 hours	16.67% 10
▼ 5-7 hours	18.33% 11
▼ 8-10 hours	13.33% 8
▼ 10-12 hours	3.33% 2
▼ Other (please specify)	Responses 35.00% 21
TOTAL	60



Q7 Did the faulty battery recover and allow the T34 to start again?

Answered: 60 Skipped: 0



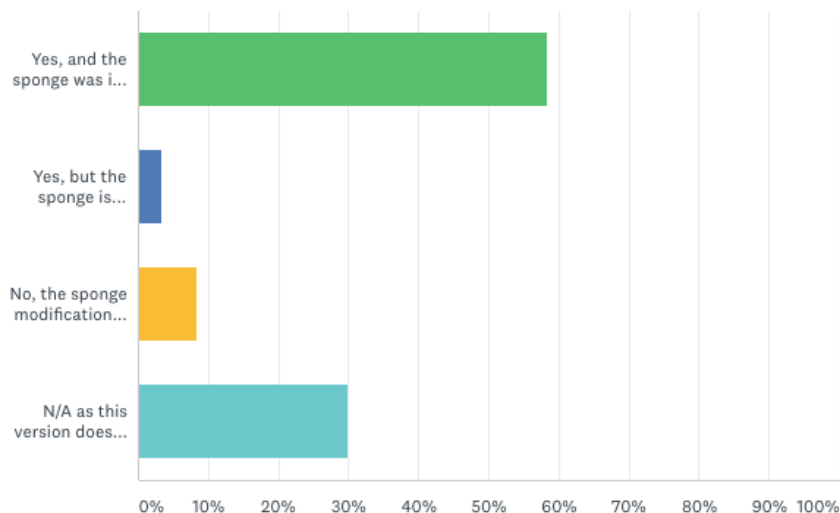
ANSWER CHOICES	RESPONSES	
▼ Yes	26.67%	16
▼ No	41.67%	25
▼ Not sure	31.67%	19
TOTAL		60



Q8

Did the T34 have the battery compartment 'sponge modification' in place?

Answered: 60 Skipped: 0



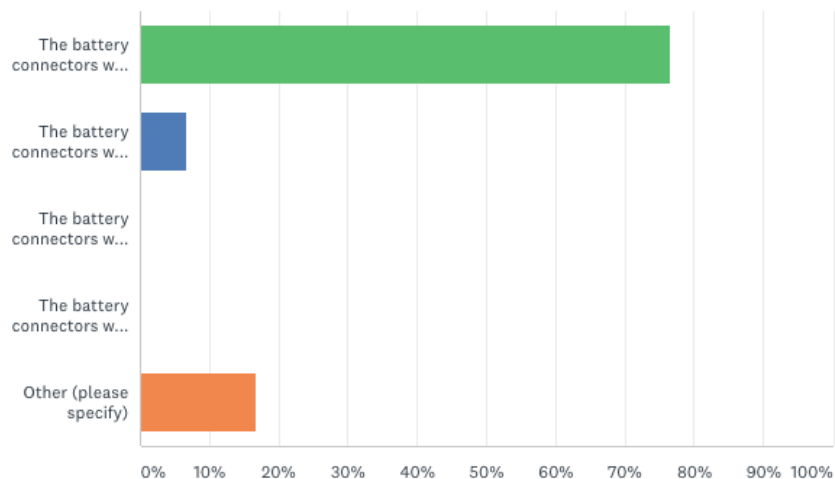
ANSWER CHOICES	RESPONSES	
▼ Yes, and the sponge was in good condition	58.33%	35
▼ Yes, but the sponge is damaged or not fitted properly	3.33%	2
▼ No, the sponge modification has not yet been carried out	8.33%	5
▼ N/A as this version does not require the sponge modification	30.00%	18
TOTAL		60





Q9 What about the battery connectors of the T34?

Answered: 60 Skipped: 0



ANSWER CHOICES	RESPONSES	
▼ The battery connectors were in GOOD condition and the battery making GOOD contact	76.67%	46
▼ The battery connectors were in GOOD condition but the battery was making POOR contact	6.67%	4
▼ The battery connectors were in POOR condition and the battery was making GOOD contact	0.00%	0
▼ The battery connectors were in POOR condition and the battery was making POOR contact	0.00%	0
▼ Other (please specify) Responses	16.67%	10
TOTAL		60





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Q10 In terms of impact to the patient, how would you rate this particular T34 failing during use? . From a scale of 1 (minor) to max score 5 (significant impact on patient's treatment/care/wellbeing etc.)

Answered: 60 Skipped: 0

3.6★

average rating



	1	2	3	4	5	TOTAL	WEIGHTED AVERAGE
★	11.67% 7	8.33% 5	18.33% 11	36.67% 22	25.00% 15	60	3.55





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Conclusion.

- The T34 battery performance survey clearly shows a wide range of battery issues
 - Version 2 and Version 3 are affected
 - There are a wide range of serial numbers affected
 - 6LR61 is the main type being used(as recommended by BD Ltd.)
 - Multiple battery makes are causing concerns: the NX, NX POWER TECH and PROCELL seem to be the main protagonists
 - NX batch number 113 and 169, (already known) and now 095 (latest NX) are common
 - Vast majority fail within first 12 hours
 - Not all T34s stop working, and some batteries recover
 - Vast majority have no issues with connections, or battery contact
 - The affect on patients wellbeing and care is significant !!!
-
- NHS Wales (July 2020) has added the DURACELL ULTRA to the stockist..
 - We continue to monitor
-
- THANK YOU FOR Your Contributions and Thank You for Listening.... ANY QUESTIONS?**

