TammerCloud

to support your car wash business

- o KEY FIGURES OF WASHES
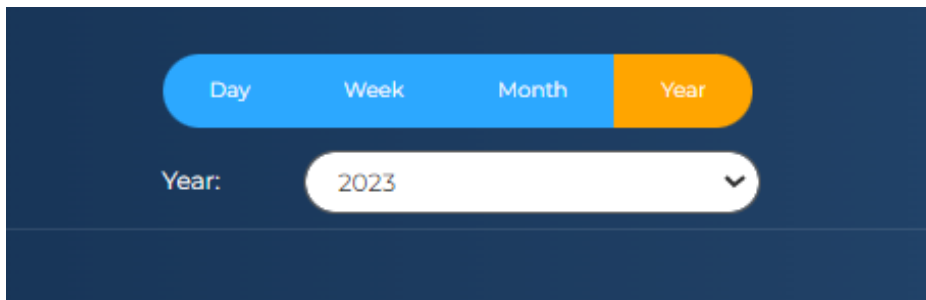- o OPERATION HISTORY
- o MEASURING SYSTEM FOR CHEMICALS
- o REPORTS

o TammerCloud offers various services and versatile information about your car wash operations. With these, you can analyse the operation and profitability of your business more accurately.

o The service includes the user manuals and drawings of your wash machine in electronic format, so they are always available.

o We constantly supplement the service package and try to take your feedback and wishes into account when expanding the content of the service.

Basic view:

o Wash volumes hourly, daily, weekly and monthly in the current year and monthly in previous years

o Status of the wash machine and the total amount of washes since the machine was installed

Name ⇕	State ⇕	Error ▼	Ver.. ⇕	Total Washes ⇕	Updated ⇕
PESUASEMA X	WASHING	---	1.17 / 1.2	30553	00:00:36

Washes Today	Washes In This Week	Washes In This Month	Washes In This Year
6	195	1255	14651

Wash logs:

    o Individual wash information: date, time, wash program number, drive-in time, wash duration, car length and height

    o Selection of time period with date search

    o Wash volumes according to the height and length of the car

    o Number of washes by wash program

    o Wash duration averages by washing program and car length averages by washing program

Wash Log

Select date From..　　Select Date To..　✓　⟳

Show [25 ⇵] entries

[Copy] [CSV] [Excel] [PDF] [Print]　　　　　　Search: [   ]

Id ▼	Time ⇕	Day ⇕	Prog Nro ⇕	Entry Time ⇕	Wash Time ⇕	Car Length ⇕	Car Height ⇕	Msg ⇕
11751802	2023-07-27 09:11:34	Thu	3	25 s	00:09:15	456 cm	150 cm	
11751667	2023-07-27 09:01:32	Thu	3	34 s	00:09:22	468 cm	146 cm	
11751314	2023-07-27 08:18:09	Thu	6	25 s	00:08:21	422 cm	146 cm	
11751243	2023-07-27 08:08:56	Thu	2	29 s	00:11:58	490 cm	152 cm	
11751125	2023-07-27 07:51:40	Thu	3	33 s	00:08:19	398 cm	150 cm	
11750289	2023-07-27 04:11:17	Thu	3	22 s	00:09:23	472 cm	146 cm	
11750026	2023-07-27 02:51:45	Thu	2	25 s	00:11:00	450 cm	144 cm	
11748583	2023-07-26 22:23:53	Wed	4	27 s	00:08:57	496 cm	152 cm	

Information By Car Size

Car Height	Total Washes	Car Length	Total Washes
120 cm or lower	7	350 cm or shorter	132
120 cm - 140 cm	750	350 cm - 400 cm	2664
140 cm - 160 cm	16353	400 cm - 450 cm	9975
160 cm - 180 cm	4018	450 cm - 500 cm	8700
180 cm - 200 cm	503	500 cm - 550 cm	234
200 cm - 220 cm	91	550 cm - 600 cm	11
220 cm - 240 cm	0	600 cm - 650 cm	1
240 cm - 260 cm	0	650 cm - 700 cm	0
260 cm - 280 cm	0	700 cm - 750 cm	0
280cm or higher	0	750 cm or longer	0

Information By Wash Number

Program Number	Total Washes	Avg Washtime	Avg Car Length
1	2255	00:10:48	442 cm
2	2685	00:10:46	442 cm
3	11419	00:08:41	440 cm
4	3681	00:08:03	436 cm
5	853	00:09:19	443 cm
6	845	00:07:58	442 cm

Consumption of chemicals:

- o The remaining amount of chemicals per chemical container in use
- o Alarm limits are set by container
- o Tells about a problem if the chemical is not consumed, even though there are washes
- o Text message alerts are sent to the agreed numbers when the set alarm limit for each container has been reached
- o Reduces physical visits to the technical space, saving you time
- o **Note**: requires a separate chemical measuring equipment!

Kiillotusvaha

20.4 L

Container Size: **20 L**
Alert Limit is set to: **5 L**
Calibration Value: **1.23**

Harjashampoo

37.3 L

Container Size: **50 L**
Alert Limit is set to: **10 L**
Calibration Value: **0.7**

Renkaankiillotus

10.7 L

Container Size: **20 L**
Alert Limit is set to: **5 L**
Calibration Value: **1.38**

Vanne-esipesuaine

5.2 L

Container Size: **20 L**
Alert Limit is set to: **5 L**
Calibration Value: **1.32**
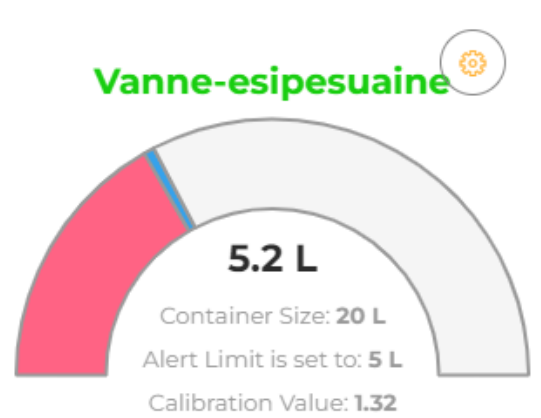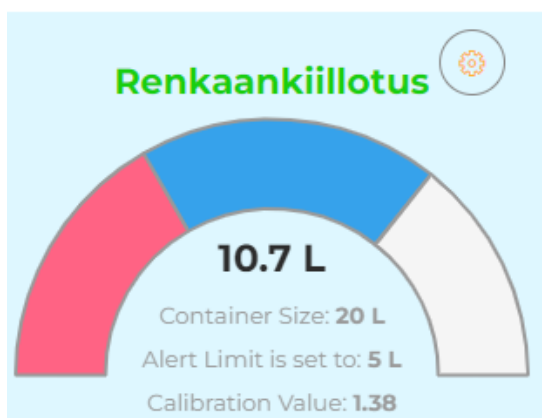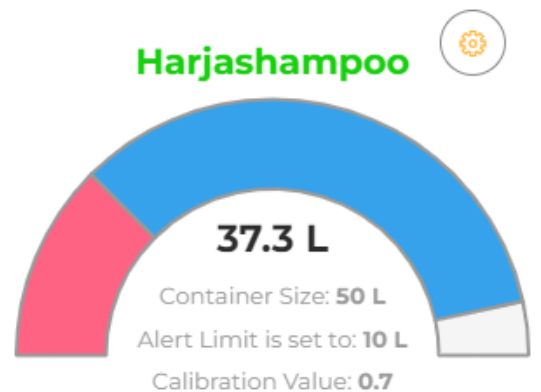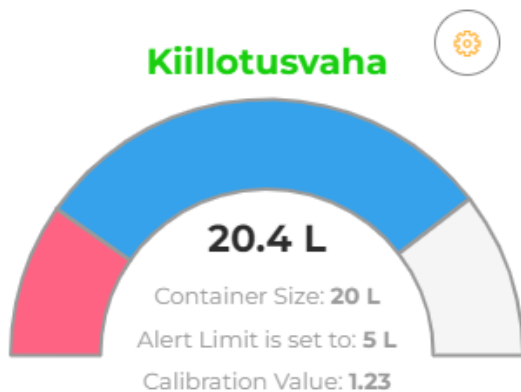
Error logs:

o Malfunction notifications given by the machine in selected time interval and Downtime caused by errors

o Possibility to receive an error alert via SMS or email

o Top errors (reason and quantity in selected time interval)

Error Log

Select date From..   Select Date To..   ✓   ⟳

Show [10] entries

Copy   CSV   Excel   PDF   Print   Search: [   ]

Id ⇕	Description ⇕	Error Code ⇕	CW state ⇕	Step ⇕	Time ▼	Downtime ⇕	Actions
117172	Latest wash never started	200	2	3	2023-07-23 18:03:23	00:00:03	📄
112709	Emergency stop alarm	91	1	3	2023-06-20 22:36:20	00:10:45	📄
112708	Emergency stop alarm	91	1	662	2023-06-20 22:29:23	00:06:19	📄
112411	Emergency stop alarm	91	1	6	2023-06-19 15:38:42	00:00:41	📄
112374	Emergency stop alarm	91	1	6	2023-06-19 13:15:06	00:00:41	📄
112369	Safety bars alarm	90	1	6	2023-06-19 12:52:14	00:02:50	📄
112281	Motor safety switch alarm/SB overtilt	88	1	3	2023-06-18 22:40:06	14:08:54	📄

Top Errors   ⚙

EMERGENCY STOP ALARM   9 kpl

SAFETY BARS ALARM   6 kpl

LATEST WASH NEVER STARTED   5 kpl

MOTOR SAFETY SWITCH ALARM/SB OVERTILT   3 kpl

TANK LOW LEVEL ALARM   3 kpl

NOZZLE MOVED ALARM / BELT LIMIT   2 kpl

POWER LEFTBRUSH ALARM   1 kpl

Machine operation history:

o Option to select the year to be displayed

o Number of error reports: review at monthly and daily level (see below)

o Time allocation to different washing facilities: out of order, closed, idle, washing, maintenance

o Utilization rate % (Uptime)

Commissioning Day: 2021-01-11   **2023**   2023

#	Month	Total Washes	Total Errors	Inoperative	Closed	Idle	Customer Entry	Authorised	Washing	Done Wash	Maintenance	Total Hours	Uptime	Email/SMS	Inventory
+	January	902	16	1h 15min	0h 12min	577h 58min	0h 18min	7h 57min	144h 14min	4h 58min	2h 52min	739h 34min	99.83%	9 / 0	---
+	February	1297	13	0h 25min	0h 7min	439h 14min	0h 38min	11h 43min	205h 21min	6h 48min	1h 8min	665h 19min	99.94%	5 / 0	---
+	March	1100	11	8h 47min	0h 6min	548h 16min	0h 9min	9h 45min	169h 29min	5h 37min	0h 12min	742h 17min	98.80%	1 / 0	---
+	April	2162	8	0h 22min	0h 13min	342h 55min	0h 20min	19h 43min	341h 46min	11h 29min	0h 8min	716h 45min	99.95%	0 / 0	---
+	May	886	8										97.36%	0 / 0	---

Errors ✕

#	Time	Error Code	Desription	Prog Nro
1	2023-04-07 03:43:49	200	Latest wash never started	0
2	2023-04-11 11:14:56	200	Latest wash never started	7
3	2023-04-13 12:24:48	200	Latest wash never started	0
4	2023-04-13 21:02:29	200	Latest wash never started	0
5	2023-04-14 12:19:52	90	Safety bars alarm	11
6	2023-04-17 12:07:08	90	Safety bars alarm	1
7	2023-04-17 17:16:11	98	Nozzle moved alarm / Belt limit	1
8	2023-04-17 17:19:33	98	Nozzle moved alarm / Belt limit	0
9	2023-04-23 20:00:29	93	Tank low level alarm	7
10	2023-04-25 10:49:19	91	Emergency stop alarm	8
11	2023-04-25 11:08:19	91	Emergency stop alarm	0
12	2023-04-27 10:53:38	90	Safety bars alarm	0

Electronic manuals for the machine:

- o User Manual
- o Installation drawings of the machine
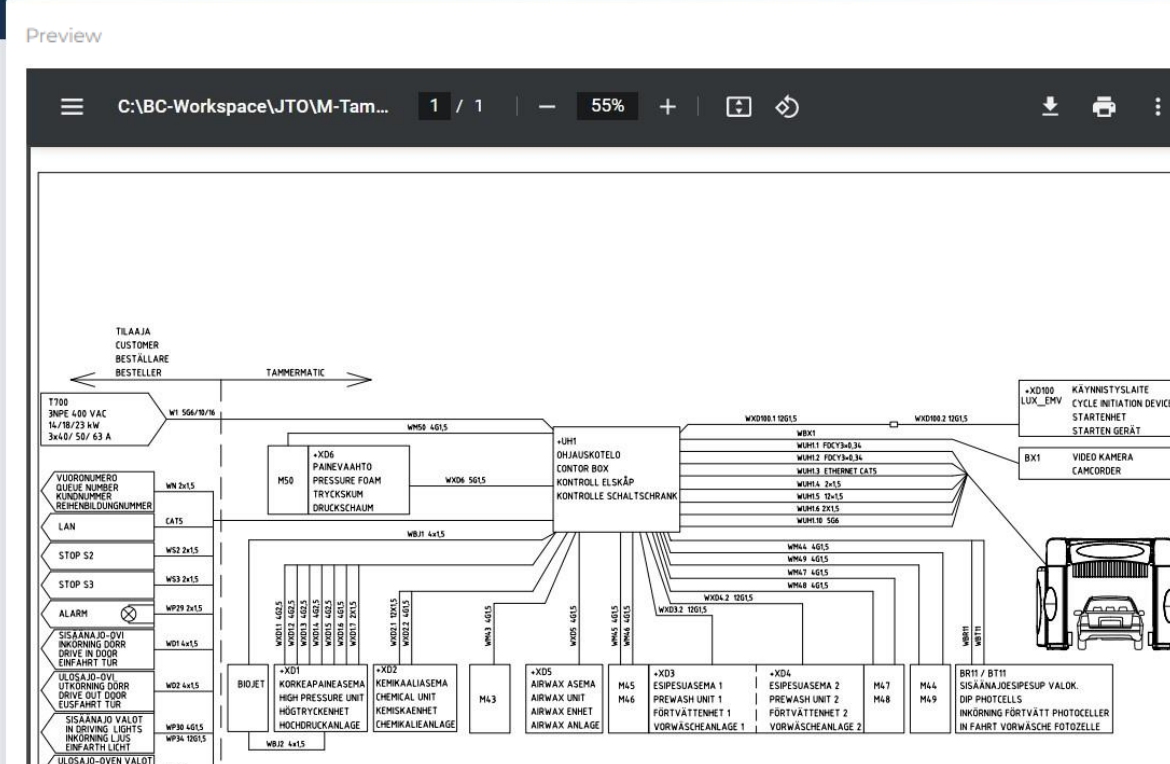
TammerCloud is a possible additional service for T700 wash machines with an Internet connection. The basic view is free.