



CONNECT® Analytics

Fleet User Guide

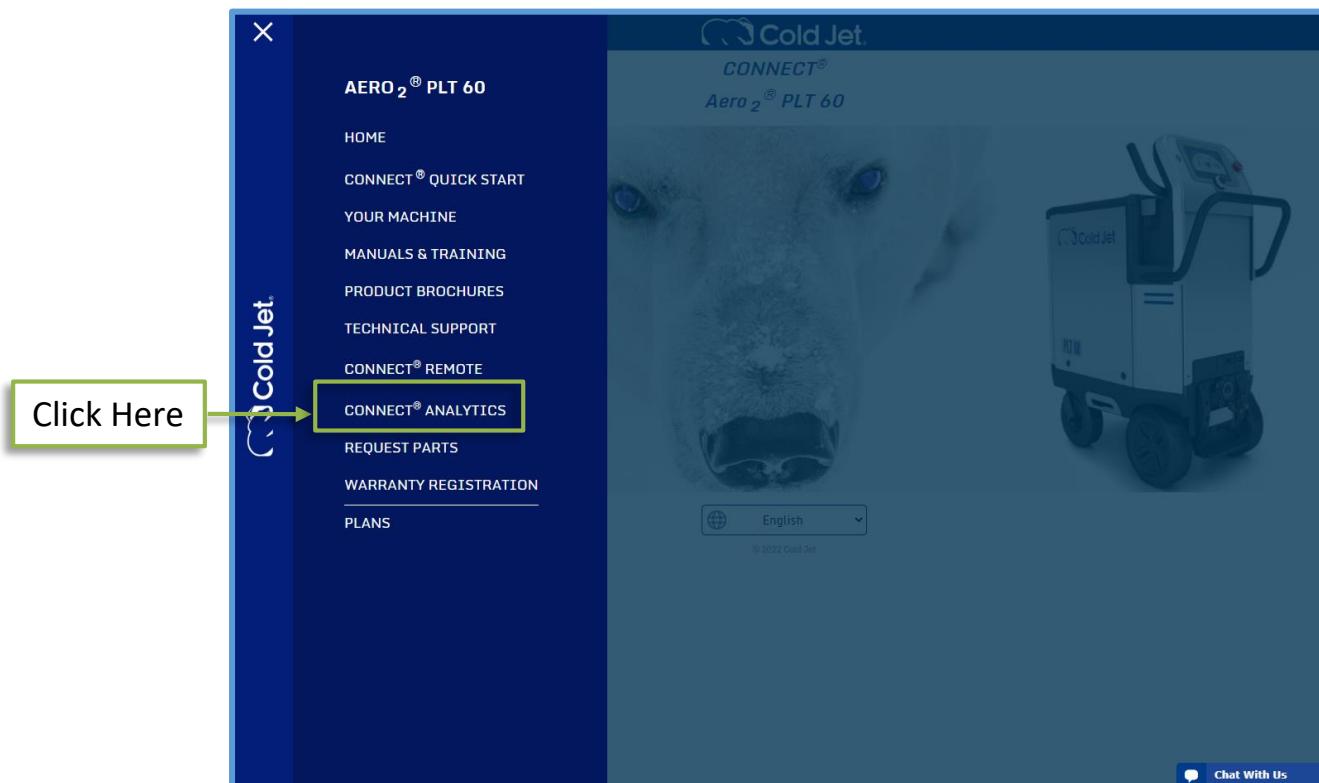
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- [For information on how to use the single machine section of CONNECT Analytics, click here.](#)



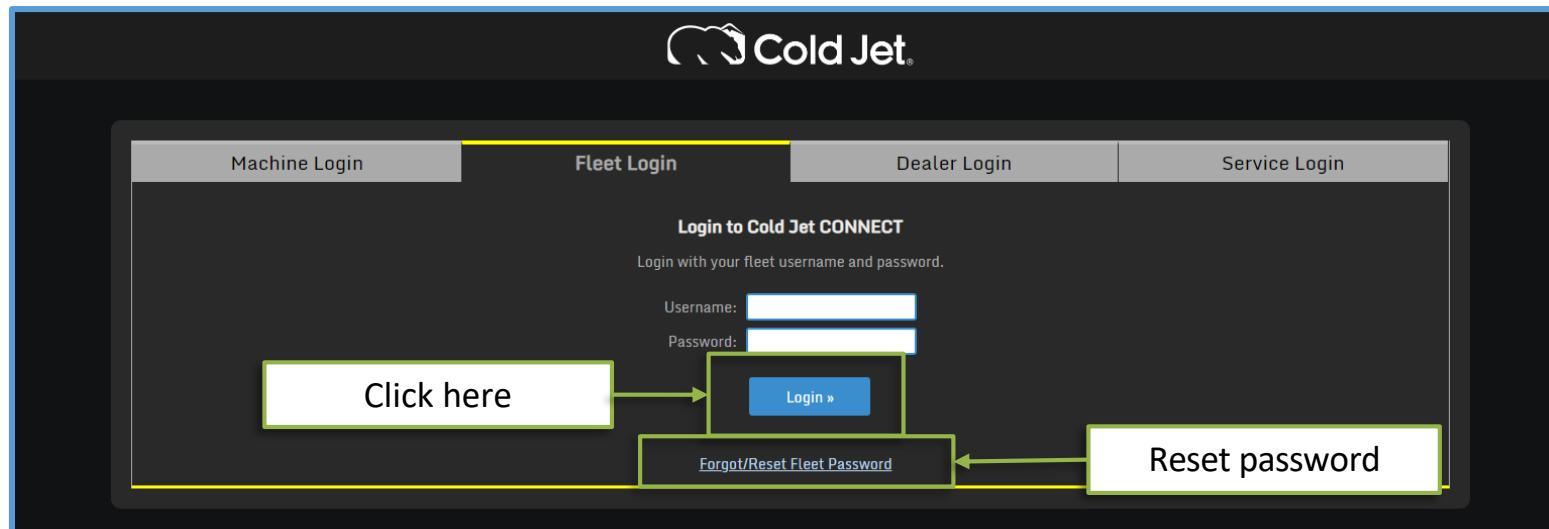
Introduction to CONNECT® Analytics

- The CONNECT® Analytics portal allows owners of Cold Jet's Aero2 series of dry ice blasting equipment to see information about how their machine is being used.
- To access this page, select CONNECT® Analytics on the menu panel from your personalized Cold jet CONNECT® page.



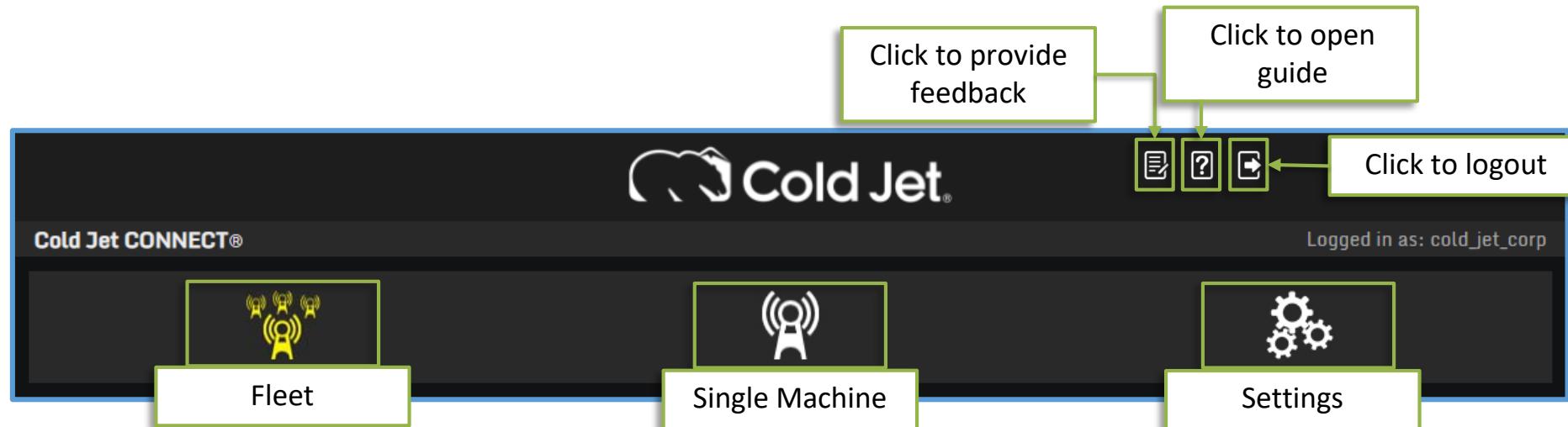
How to Login

- **Machine Login** is for single/multi-machine owners to sign into their CONNECT® Analytics account using an authentication code.
- **Fleet Login** is for fleet-enabled customers.
- **Dealer Login** is for Cold Jet authorized dealers.
- **Service Login** is for Cold Jet employees.



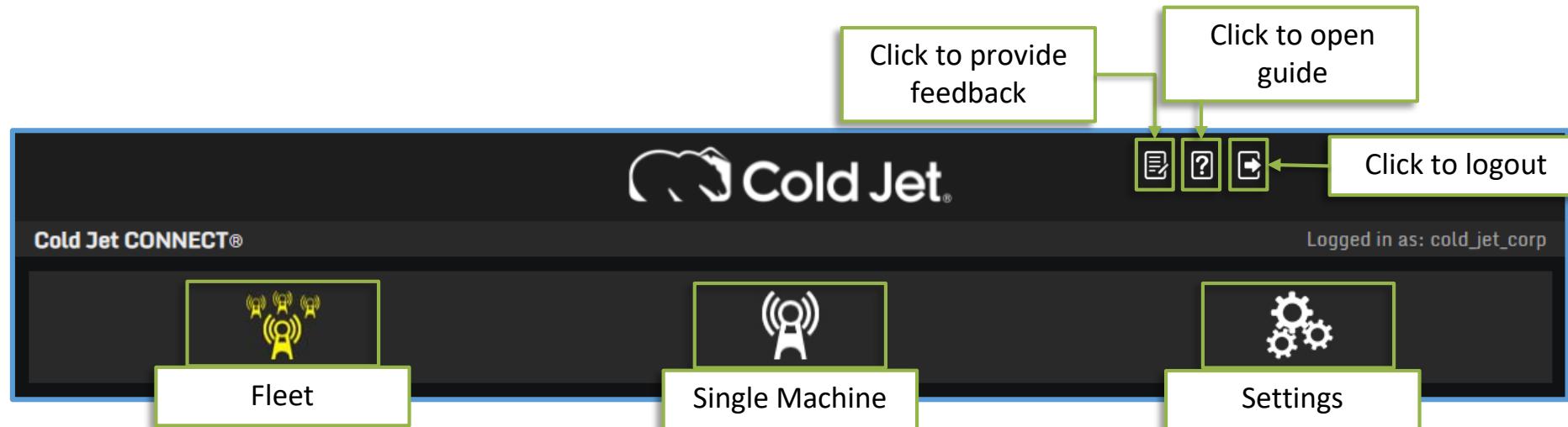
Navigation

- You can navigate between pages by clicking on the page's corresponding menu icon.
- Clicking the **logout** icon will log you out and return you to the login page.
- Clicking the **?** icon will open the user guide.



Navigation (cont.)

- The **Fleet** tab shows information related to all of your machines or a group.
- The **Single Machine** section shows information based on individual machines that you own.
- The **Settings** section is where you tailor different aspects of CONNECT to meet your needs.



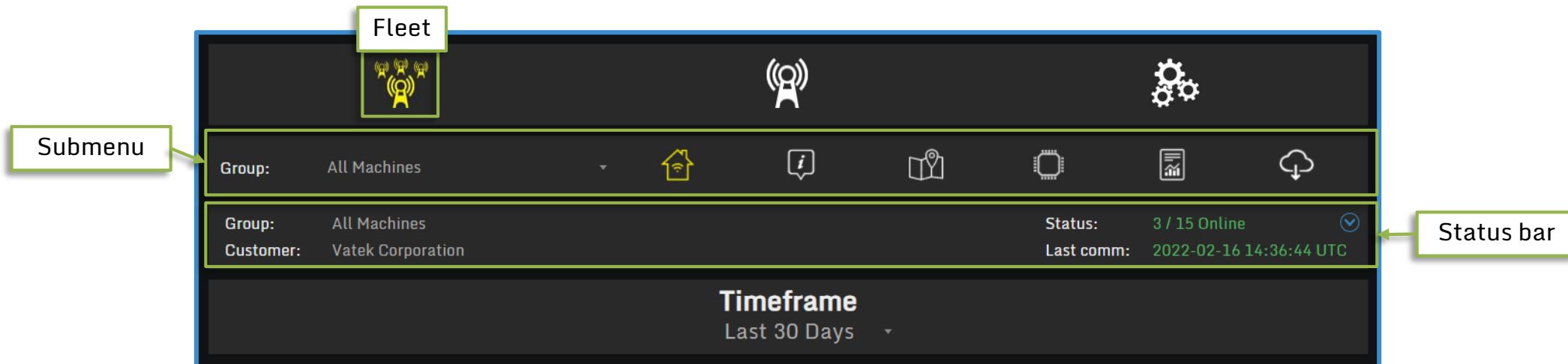
Page Overview

- There are 3 main components of both the fleet and single machine sections:
 - The **menu** is used to navigate through different sections of CONNECT® Analytics.
 - The **status bar** shows basic machine/group information.
 - The **content** of the page, which changes dependent on the menu and submenu values.



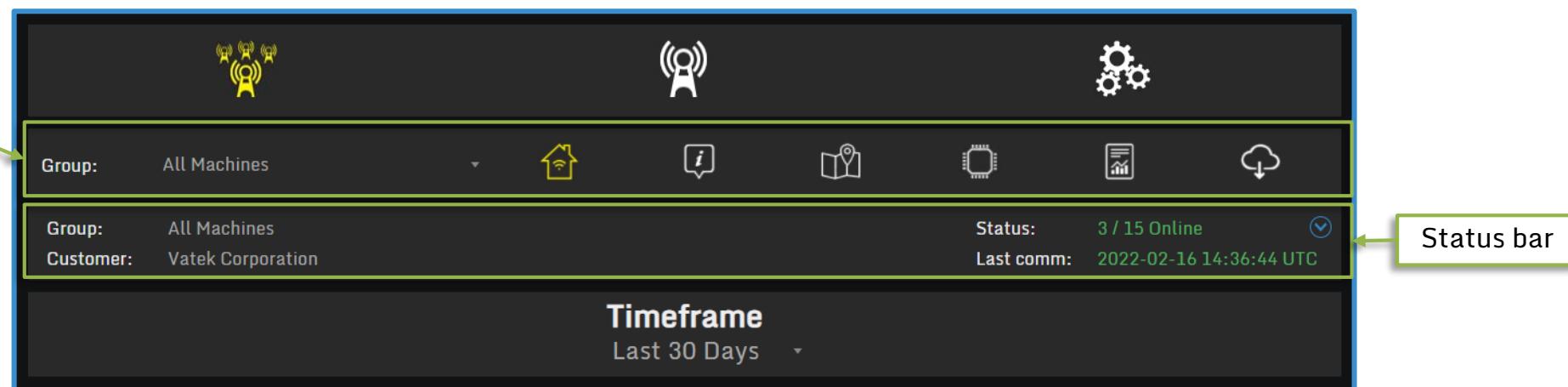
Fleet Overview

- The **Fleet** section shows information about a selected fleet and shows you the same view that a customer can see for their fleet.
- Different pages can be viewed by selecting the corresponding **submenu** icon.



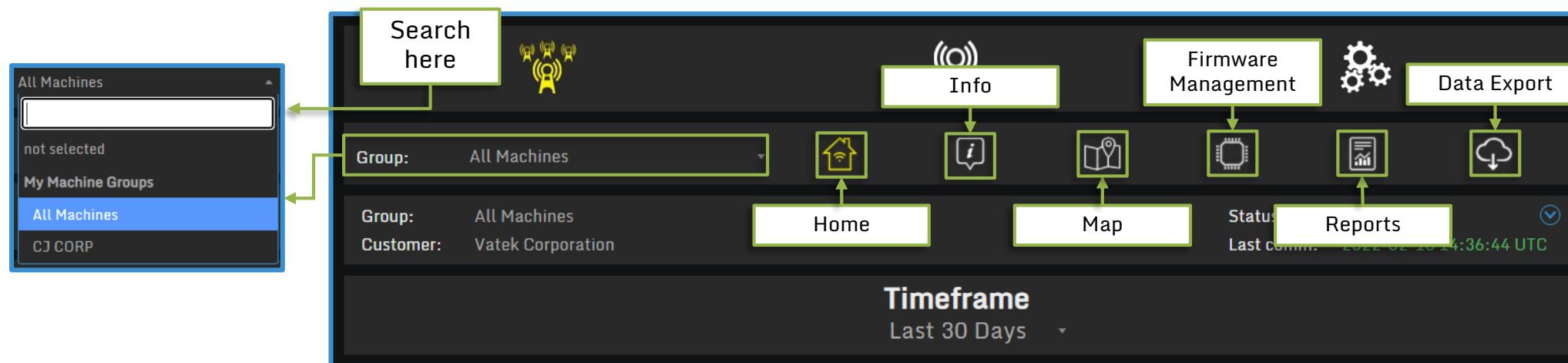
Fleet Overview (cont.)

- Once a group is selected, a **status bar** is displayed. The status bar contains:
 - Group name
 - Customer
 - Last communication date
 - The last time a machine in the group communicated with the server
 - Online status
 - This shows the number of machines in the group that have been online in a selected period of time
 - This time period is controlled in the **Settings** page under the 'Show as Online Timeframe' dropdown. See [Settings](#) for more details.



Submenu

- Selecting an icon will change the page and its content.
- To choose a group, select the group name from the list located towards the left of the page.
 - You can search a specific group by typing the group or company name into the white search box.



Status Bar - Fleet

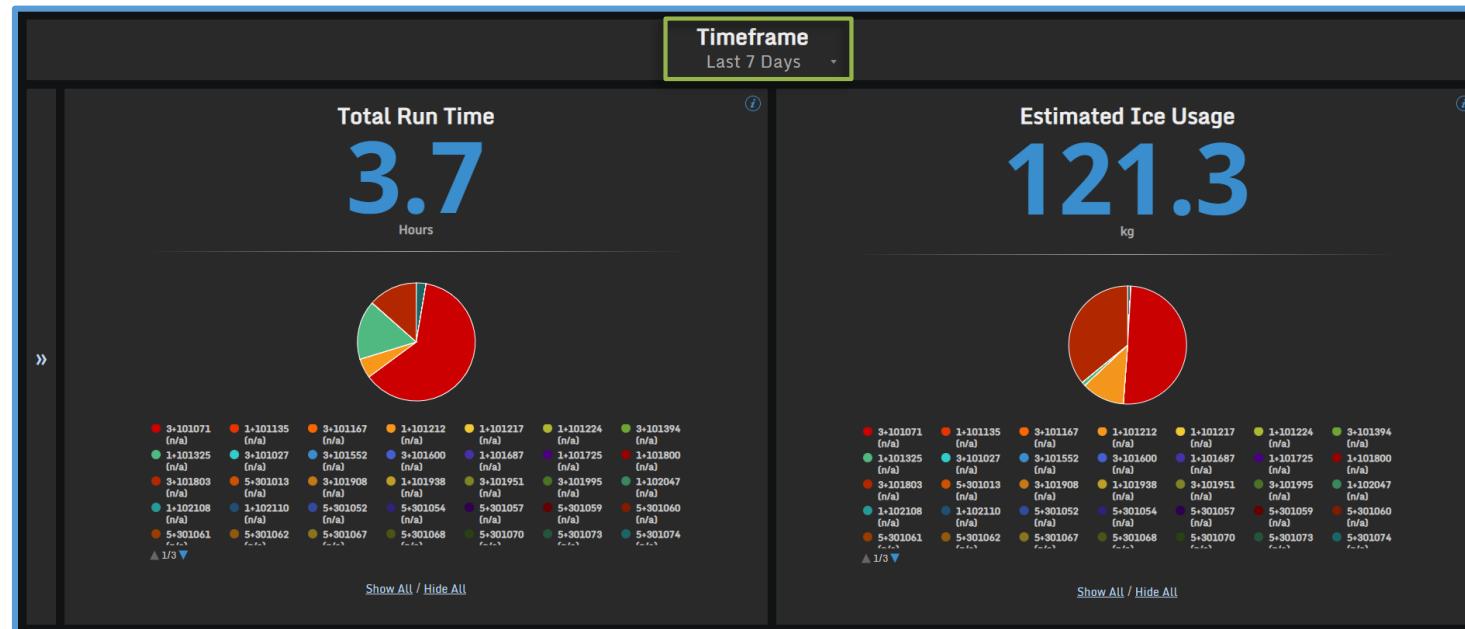
- The status bar can be expanded by selecting the arrow at the top right. Data shown in the collapsible table includes:
 - Serial #
 - Machine Name - the nickname for the machine (if available)
 - Uptime (if machine is at least ver. 8.36)
 - Last Comm
 - Online?
- The table will detail machines in the selected group.

The screenshot shows the Cold Jet Fleet interface. At the top, there are three icons: a signal strength icon, a location pin icon, and a gear icon. Below these are two dropdown menus: 'Group: All Machines' and 'Customer: Vatek Corporation'. To the right of these are several icons: a house, a speech bubble, a map, a chip, a chart, and a cloud. A status bar is displayed, showing 'Status: 3 / 15 Online' with a checked checkbox icon, and 'Last comm: 2022-02-16 14:36:44 UTC'. A green callout box labeled 'Toggle' points to the top-right corner of the status bar, which has a small arrow indicating it can be expanded. When expanded, a table is shown below the status bar. The table has columns for Serial #, Machine Name, Uptime, Last Comm (UTC), and Online?. The table lists 15 rows of machine data. A second green callout box points to the bottom-right corner of the expanded table, also with a small arrow indicating it can be collapsed back to the status bar.

Serial #	Machine Name	Uptime	Last Comm (UTC)	Online?
12345678	Machine A	20 minutes	2022-02-15 10:00:00	No
12345679	-	10 minutes	2022-02-15 10:10:25	No
12345680	Machine B	20 minutes	2022-02-15 10:20:45	No
12345681	-	---	2022-02-15 10:30:45	No
12345682	Machine C	20 minutes	2022-02-15 10:40:25	No
12345683	-	10 minutes	2022-02-15 10:50:05	No
12345684	Machine D	21.8 minutes	2022-02-15 10:55:22	No
12345685	-	---	2022-02-15 11:05:08	No
12345686	Machine E	20.2 minutes	2022-02-15 11:05:42	No
12345687	-	10.4 minutes	2022-02-15 11:15:48	No
12345688	Machine F	20.2 minutes	2022-02-15 11:25:50	No
12345689	-	2.4 sec	2022-02-15 11:45:44	Yes
12345690	Machine G	20.2 minutes	2022-02-15 11:55:48	No
12345691	-	---	2022-02-15 12:05:48	No
12345692	Machine H	20.2 minutes	2022-02-15 12:15:50	No
12345693	-	2.4 sec	2022-02-15 12:35:44	Yes

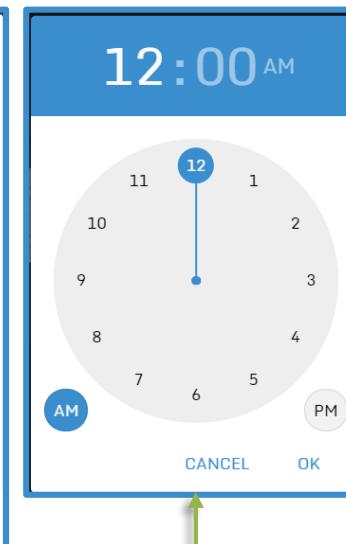
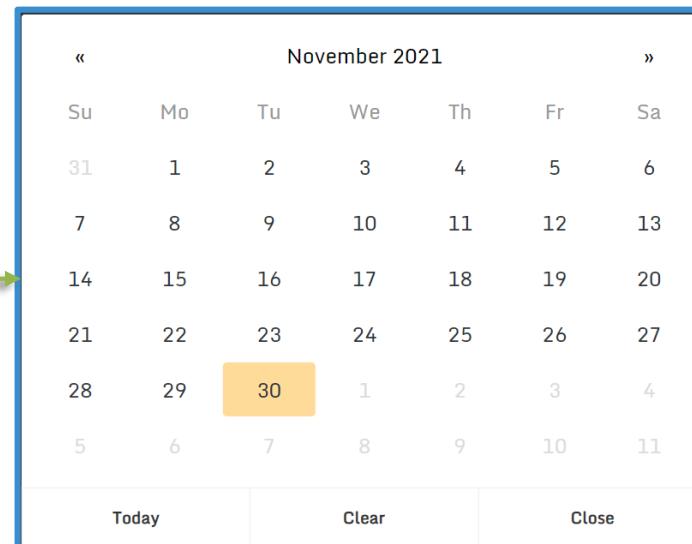
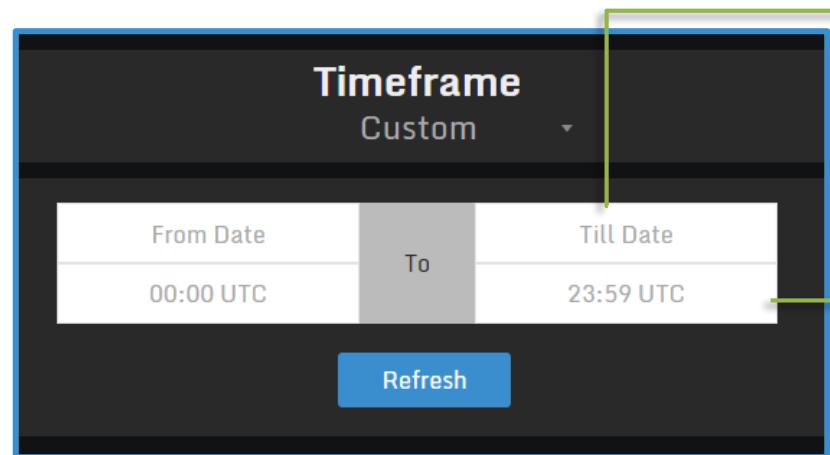
Home

- The **Fleet Home** page displays a variety of information about the machine.
- The timeframe of the data can be adjusted by selecting the **Timeframe** dropdown. You can view:
 - Today
 - Yesterday
 - Last 7 Days
 - Last 30 Days
 - Year to Date (YTD)
 - Last Year
 - All Time
 - Custom
- The default dropdown value is configurable under the **Default Home Timeframe** section on the **Settings** page. See [**Settings**](#) for more information.



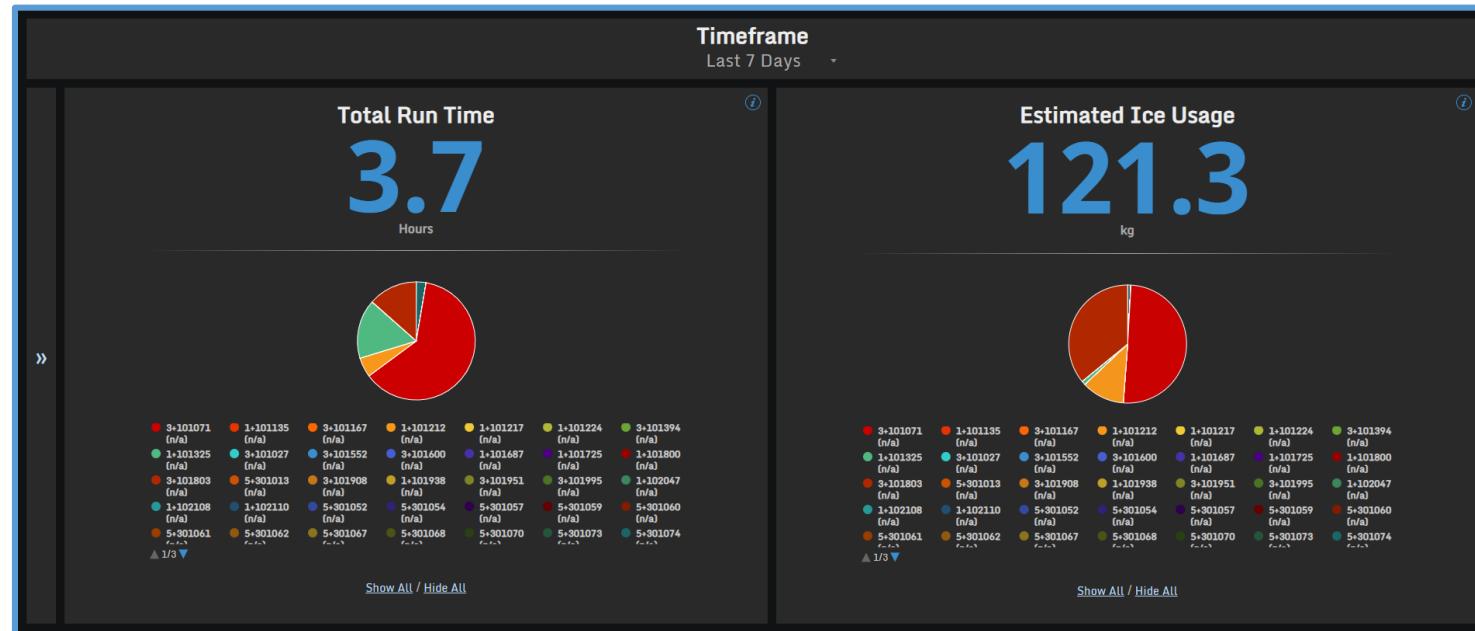
Home (cont.)

- If you select ‘Custom’ as your timeframe, you will be given a date and time picker to select your timeframe.
- Clicking on the inputs will popup a calendar (for dates) or a clock (for times).
- Once you have chosen your desired dates and times, press the refresh button to generate data.
 - Note - If the start and end times are within the same day, the chart will reflect an hourly breakdown of the entire day.



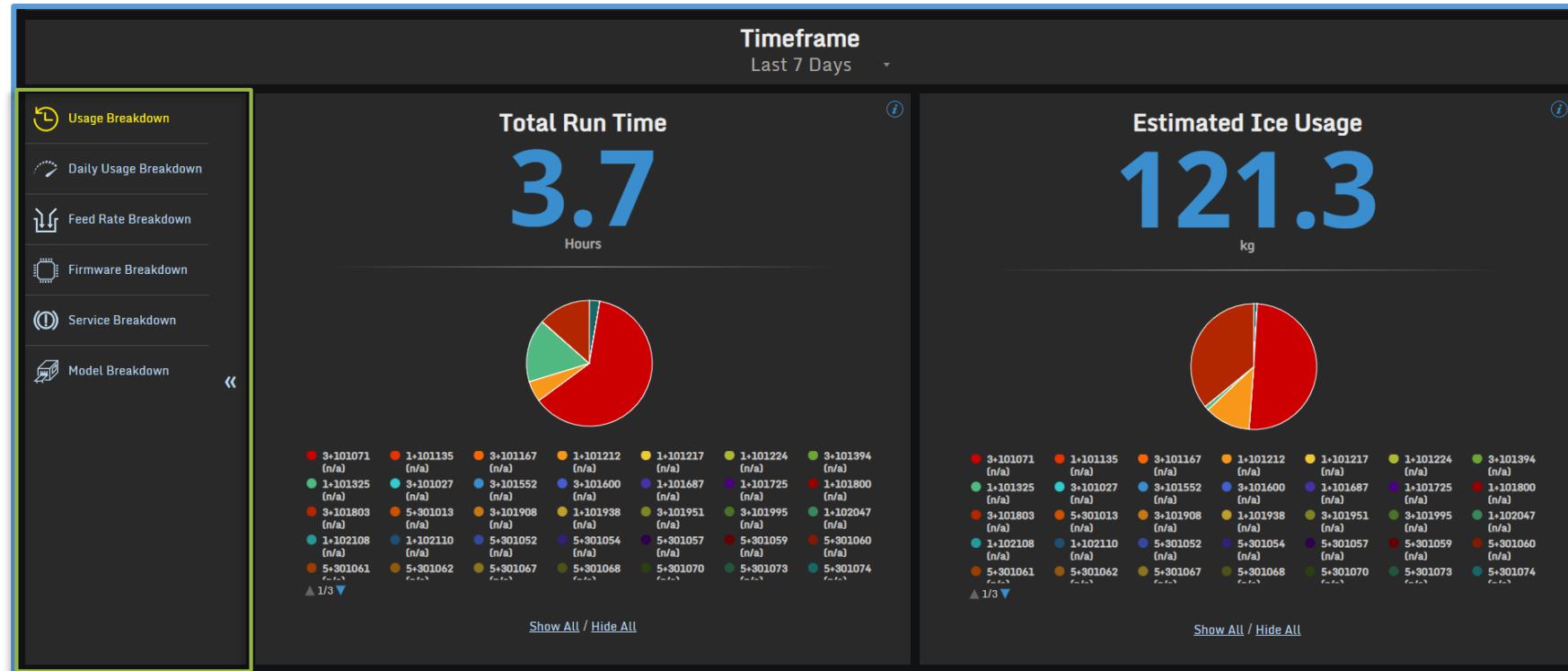
Home (cont.)

- Data on the page is automatically refreshed based on your selected “Home Refresh Interval” found in the **Settings**. You can have the page refresh every:
 - 30 seconds
 - 1 minute
 - 5 minutes
 - 10 minutes
 - 30 minutes
- When new information is received from the machine, affected data will change colors to alert that it has updated.



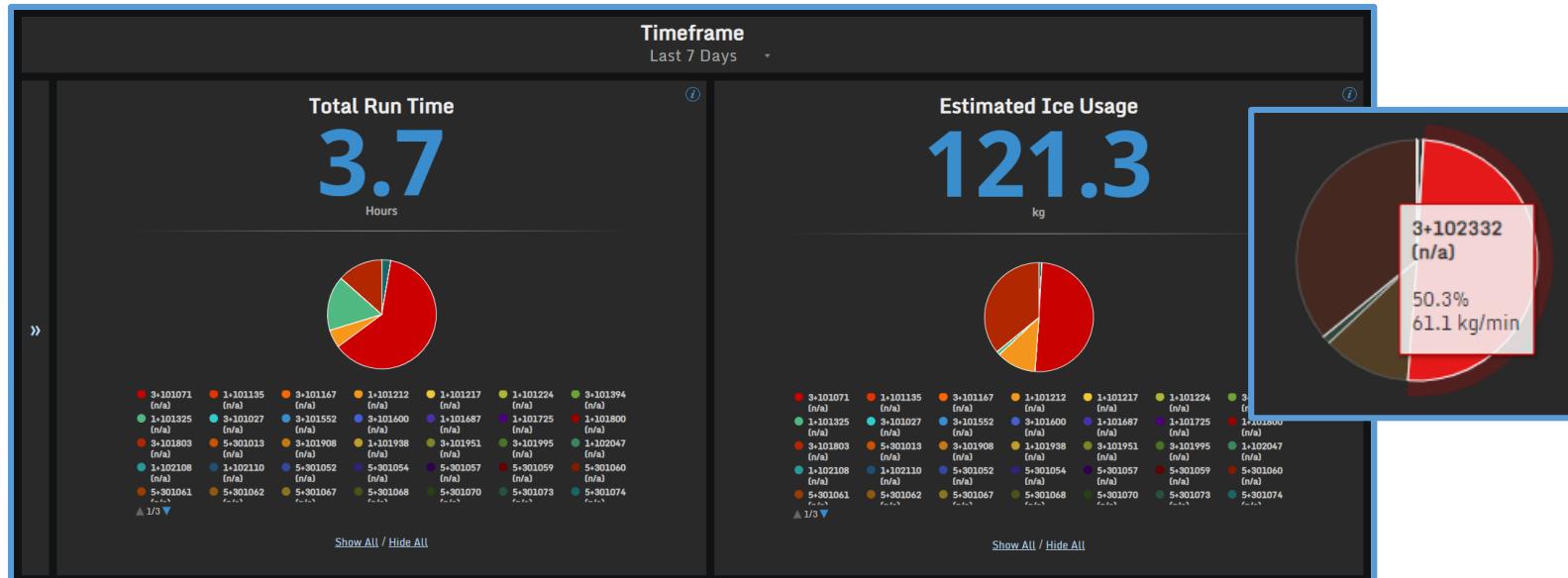
Home (cont.)

- To change the data shown on the home page, you can open the menu on the side and select a breakdown to view. You can select:
 - Usage Breakdown
 - Daily Usage Breakdown
 - Feed Rate Breakdown
 - Firmware Breakdown
 - Service Breakdown
 - Model Breakdown



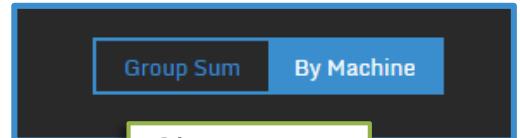
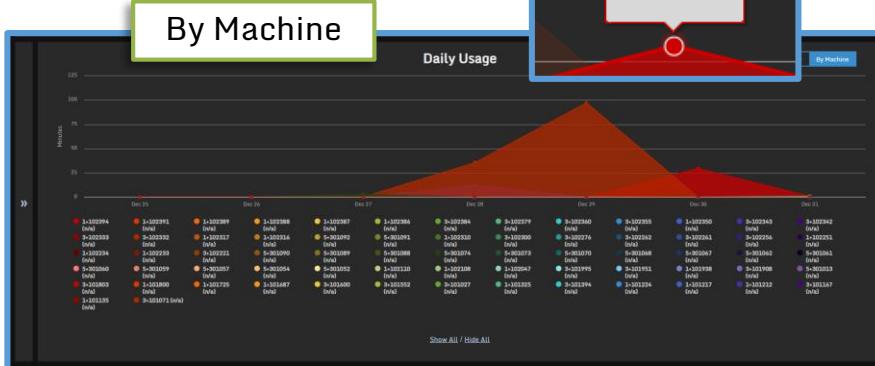
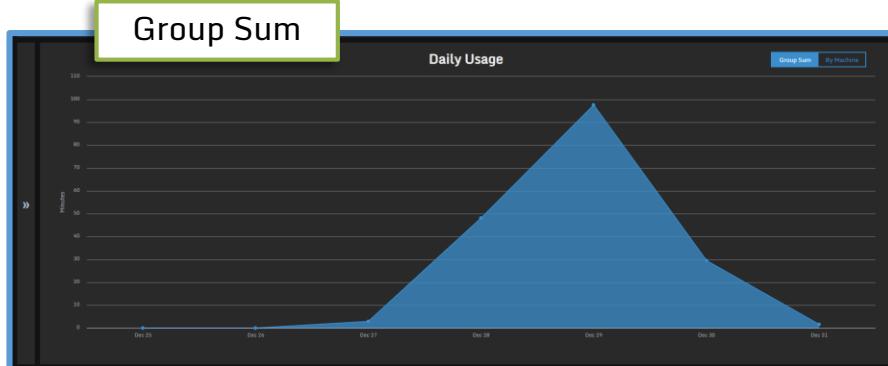
Home (cont.)

- Usage Breakdown displays:
- **Total Run Time**
 - Reflects the change in the hour meter of the selected machine between the beginning and the end of the selected timeframe
- **Estimated Ice Usage**
 - Shows the calculation of minutes of run time OR blast time (as defined in your Settings) during the selected timeframe multiplied by the average feed rate.
- For more information, see [How to Use Fleet Charts](#).



Home (cont.)

- Daily Usage Breakdown contains two charts. These are:
 - **Group Sum**
 - A summation of usage during the selected timeframe for all machines in the group by day (or by hour, when looking at a daily view)
 - **By Machine**
 - Shows individual usage during the selected timeframe for each machine in the group by day (or by hour, when looking at a daily view)
 - You can change which chart is displayed by clicking “Group Sum” or “By Machine” in the top right.
 - For more information, see [How to Use Fleet Charts](#).

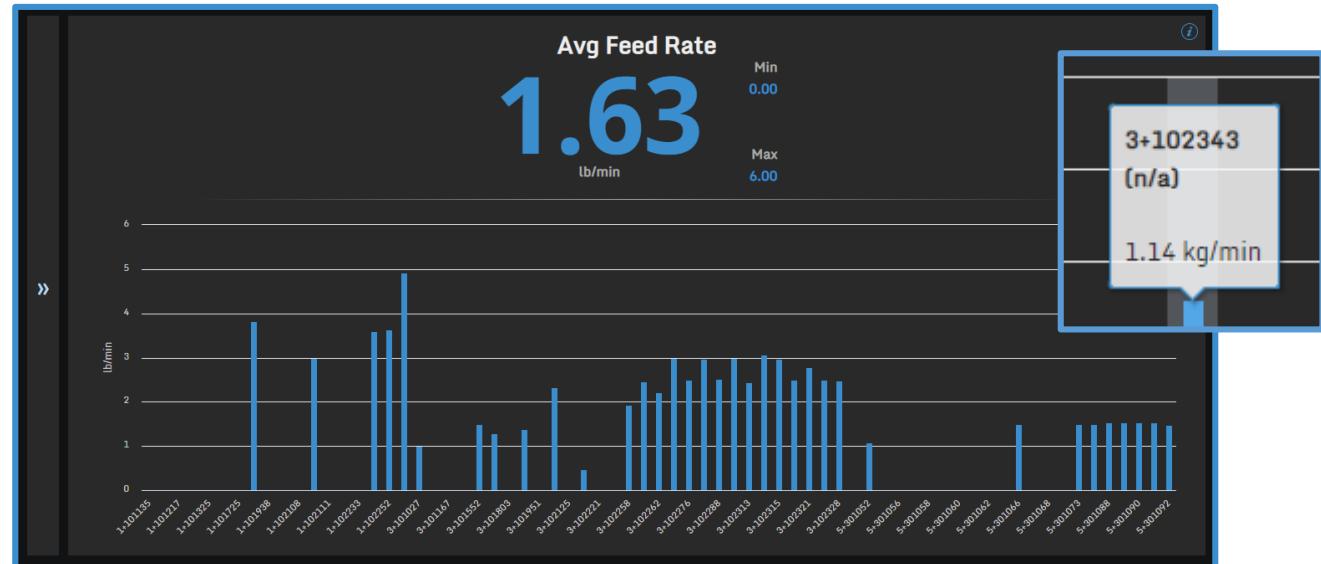


Change view



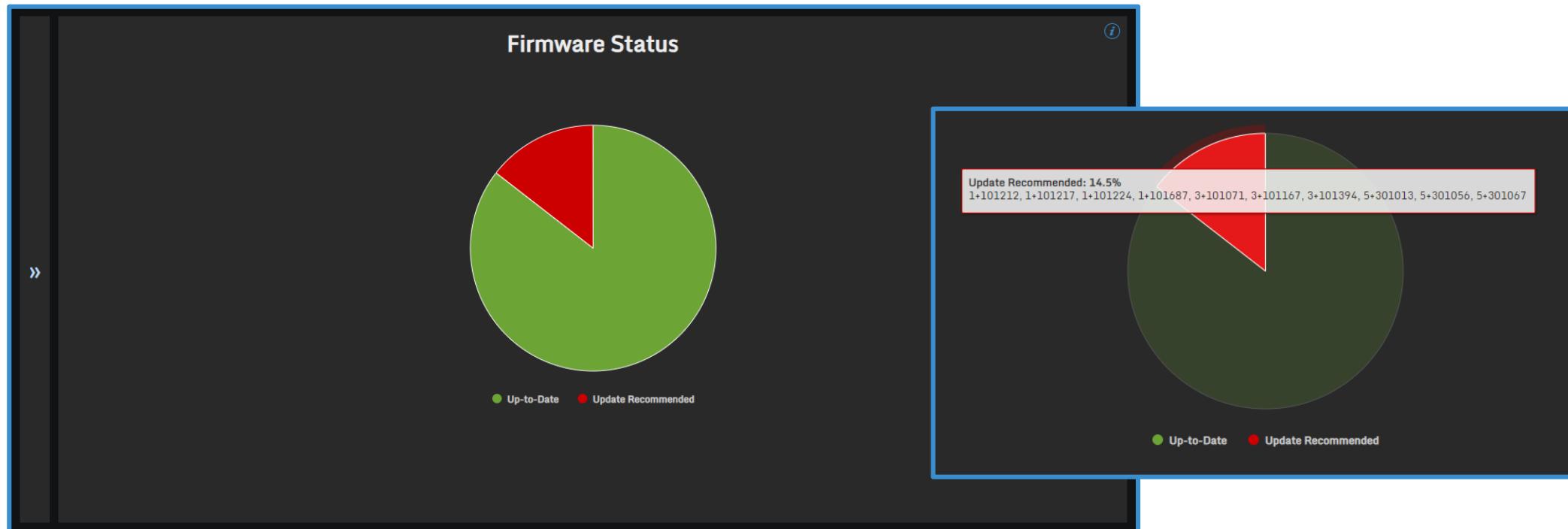
Home (cont.)

- Feed Rate Breakdown displays:
- **Feed Rate (Group)**
 - The average, min, and max feed rates for the entire group during the selected timeframe
- **Feed Rate (By Machine)**
 - The average feed rate for each machine during the selected timeframe
- For more information, see **How to Use Fleet Charts.**



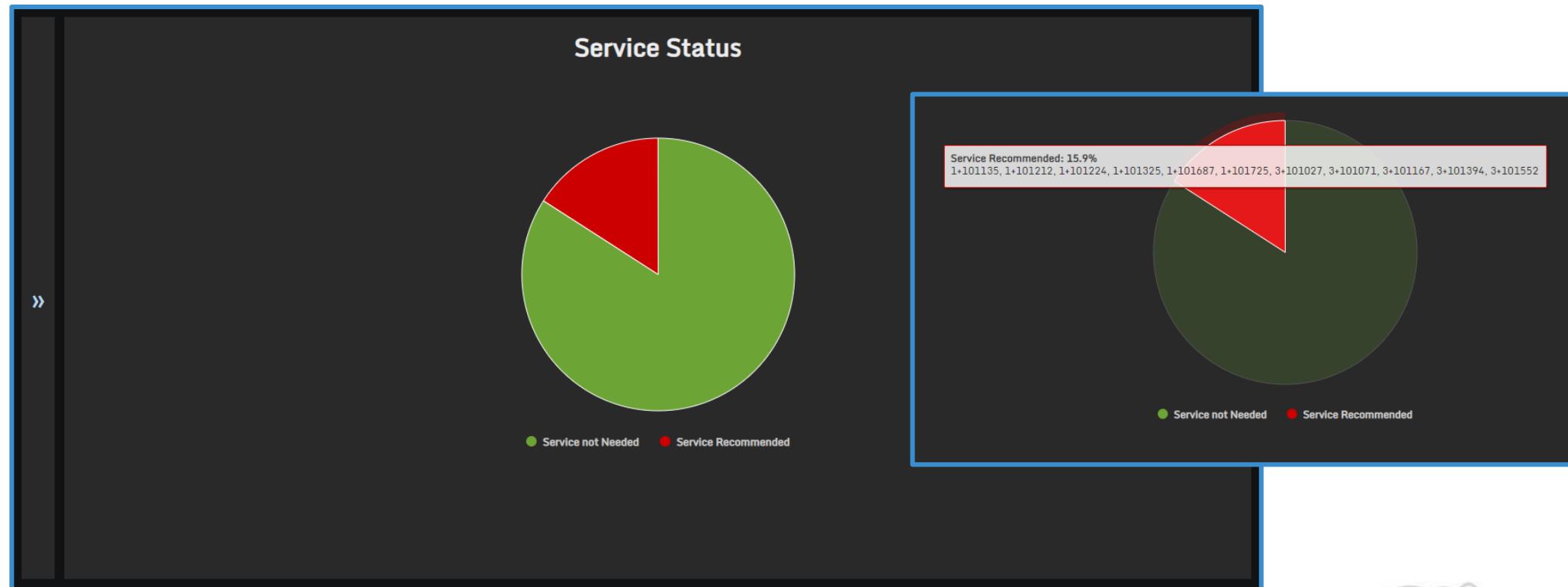
Home (cont.)

- Firmware Breakdown displays a pie chart, breaking down which machines do and do not need a firmware update.
- For more information, see [**How to Use Fleet Charts**](#).



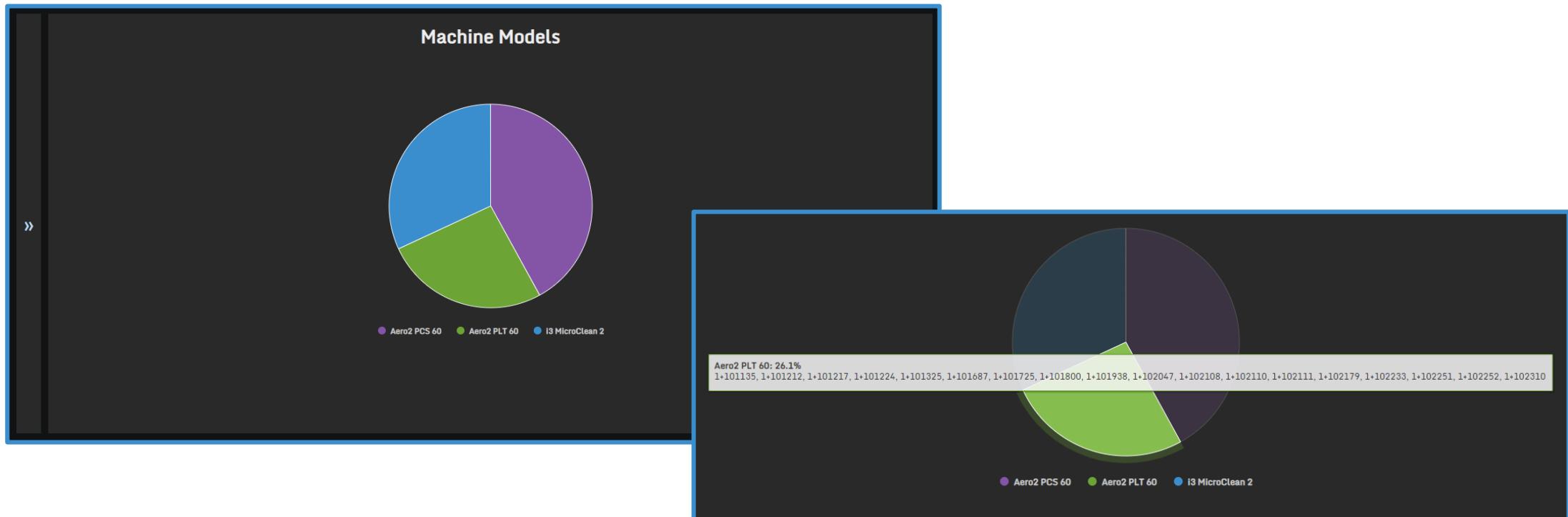
Home (cont.)

- Service Breakdown displays a pie chart, breaking down which machines do and do not need service.
- For more information, see [**How to Use Fleet Charts**](#).



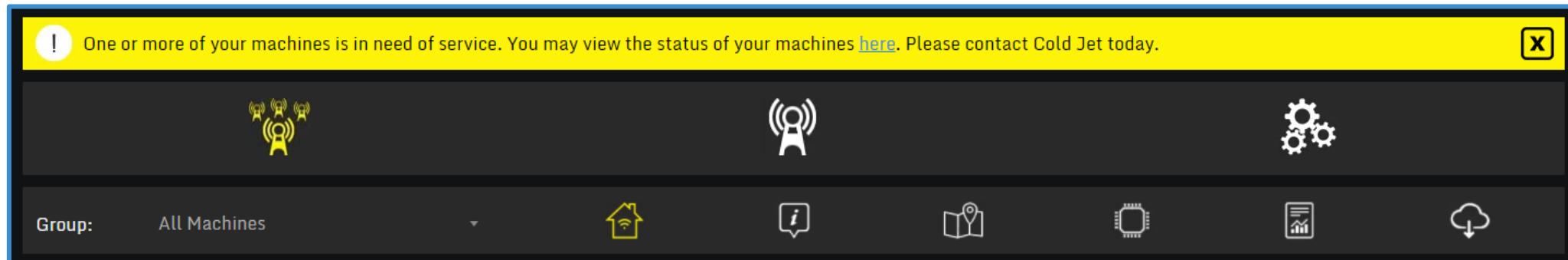
Home (cont.)

- Model Breakdown displays a pie chart, breaking down which model each machine in the group is.
- For more information, see [**How to Use Fleet Charts**](#).



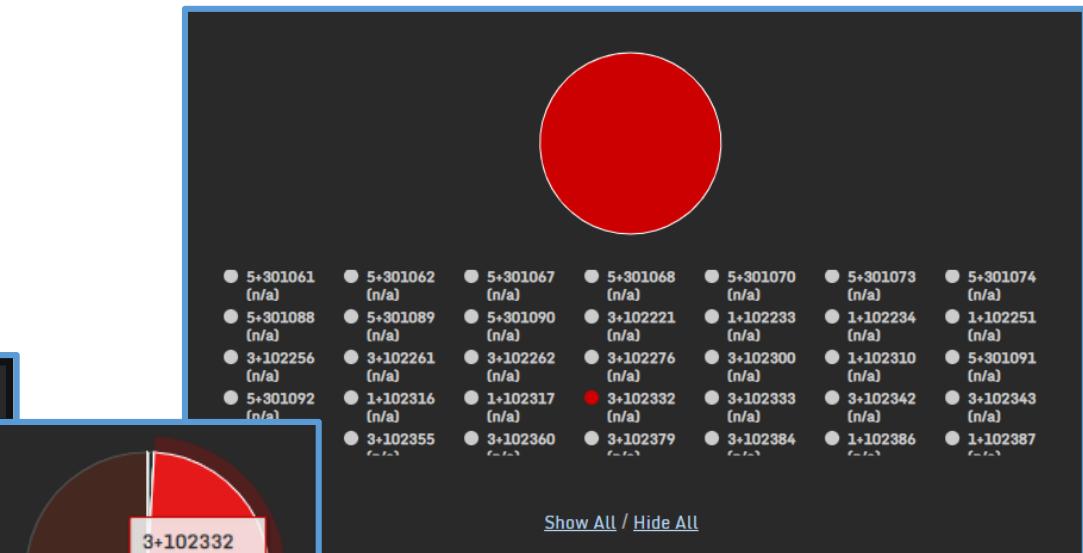
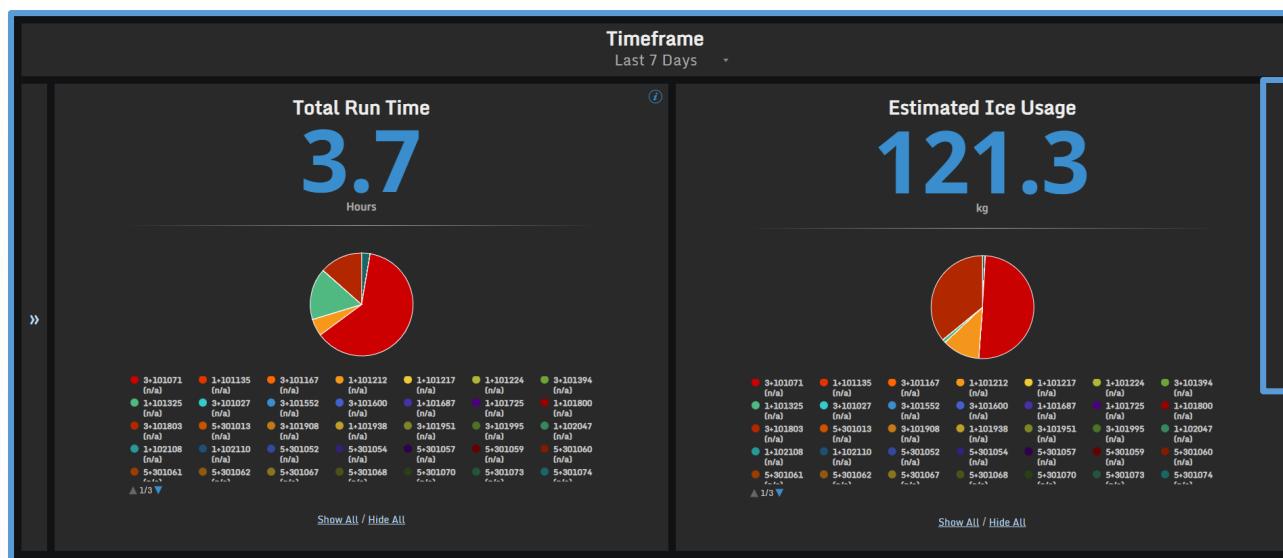
Home (cont.)

- If a machine, or machines, in the group require(s) preventative maintenance, a yellow banner will display.
 - For more information on why this banner is appearing, go to the [Multi-Machine Overview Page](#)
- To temporarily hide the banner, click ‘X’.
 - Note - the banner will not be displayed again until you log out and log back in.



How to Use Fleet Charts

- Hovering over pieces of data in the charts will show you more insight.
- Clicking ‘Hide All’ will remove all machines from the chart. ‘Show All’ will return all machines to the chart.
- You can enable/disable any item in the chart by clicking its name in the legend.



Information

- The **Information** section contains three pages. These are:
 - **Multi-Machine Overview** - Table view of information for all machines in the selected group
 - **Machine/Group Management** - Where groups can be created, edited, or removed, as well as machine names be edited
 - **Smart Detect** - Multiple tables of information for the machines in the group
 - Using the submenu, you may decide which page to view.

Multi-Machine Overview

- The Multi-Machine Overview page shows general information about the machines in the selected group. Information shown on this page includes:
 - Serial #
 - Machine Model
 - Last comm
 - Subscription
 - Control Board FW Version - red or green, depending if an update is available
 - Service Needed
 - Next Service Hours
 - Current Status (Hours) - hour meter, red or green depending on service status
 - Next Service Date
- Current Status (Date) - today's date, red or green depending on service status
- Machine Overview - a link to the individual info page for the machine

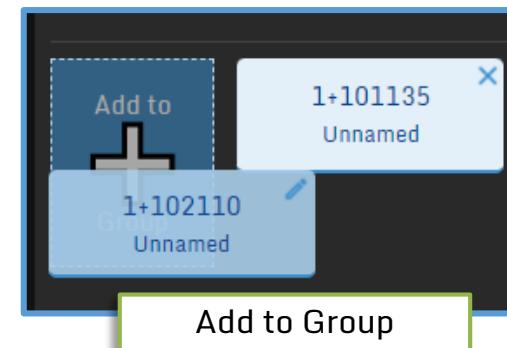
Multi-Machine Overview											
Page Size	25 ▾	First	Prev	1	2	3	4	5	Next	Last	[145 entries]
Serial #	Model	Last comm (UTC)	Ship Date	Subscription Level	Ctrl FW	Service Needed	Next Service Hours	Next Service Date	Machine Overview	Download CSV	
1+101212	Aero2 PLT 60	2019-10-10	Trial	7.30	YES	Histoxx 500	2020-10-06	More info...			
1+01221	Aero2 PLT 60	2023-03-09 18:40:23	2020-11-16	Trial	8.41	NO	Histoxx 602	2023-08-09	More info...		
1+101223	Aero2 PLT 60	2023-02-07 00:07:39	2022-03-03	Trial	8.42	NO	Histoxx 594	2023-04-14	More info...		
1+101224	Aero2 PLT 60	2021-09-27	Trial	7.30	YES	Histoxx 500	2020-10-09	More info...			
1+101318	Aero2 PLT 60	2023-04-01 00:32:40	2022-03-18	Trial	8.42	NO	Histoxx 553	2023-06-20	More info...		
1+101774	Aero2 PLT 60	2022-11-21 19:18:26	2022-06-17	Trial	8.41	NO	Histoxx 526	2023-08-09	More info...		
1+101736	Aero2 PLT 60	2023-04-03 22:50:49	2023-02-28	Trial	8.42	NO	Histoxx 541	2023-07-29	More info...		
1+101938	Aero2 PLT 60	2022-12-07 16:15:42	2021-04-16	Trial	8.11	YES	Histoxx 500	2022-04-07	More info...		
1+102047	Aero2 PLT 60		2023-02-06	Trial	8.42	NO	Histoxx 501	2023-06-24	More info...		
1+102108	Aero2 PLT 60	2023-03-05 18:43:01	2022-11-28	Trial	8.41	YES	Histoxx 500	2022-07-19	More info...		
1+102110	Aero2 PLT 60	2023-03-21 21:10:12	2023-02-28	Trial	8.42	YES	Histoxx 500	2022-07-19	More info...		



Machine/Group Management

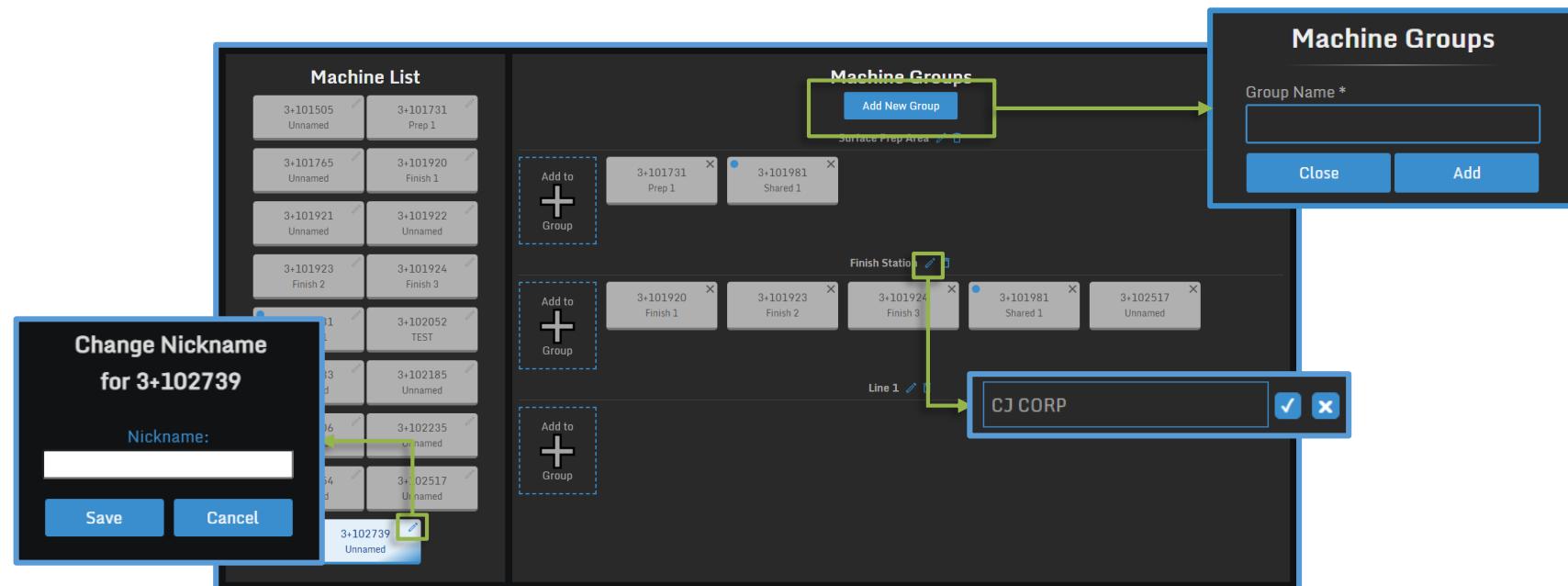
- The Machine/Group Management page allows users to manage their groups and rename their machines.
- The customer's groups reside on the right side of the page, and machines on the left can be added to them by clicking and dragging to the “Add to Group” button.
- If a machine has been added into multiple groups, a blue dot will appear on the upper left corner of the card.
- Note - if a machine does not have a subscription, it will be grayed out and unable to be added to groups.**

The screenshot shows the Machine/Group Management interface. On the left, the "Machine List" displays a grid of machine cards. On the right, the "Machine Groups" section shows existing groups like "Prep 1" and "Shared 1" under "Surface Prep Area", and "Finish 1", "Finish 2", "Finish 3", and "TEST" under "Finish Station". A "Line 1" group is also listed. Each group card has an "Add to Group" button with a plus sign and a dashed box around it. A tooltip "Add to Group" is visible over one of the buttons.



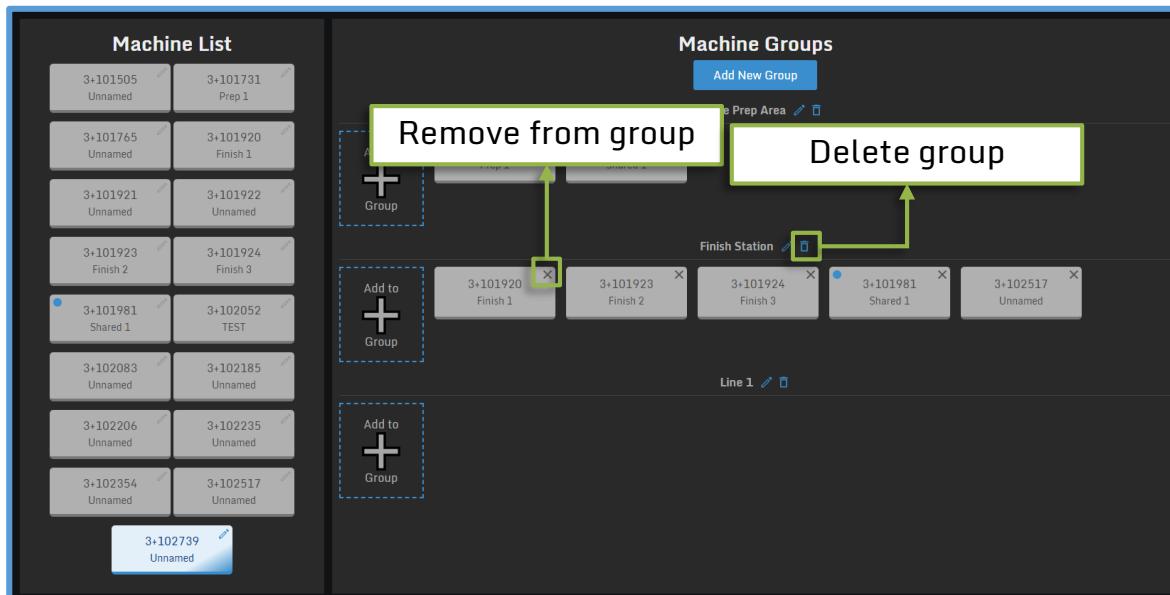
Machine/Group Management (cont.)

- By clicking the pencil icon on a machine's card, you can change the machine's nickname.
- To create a new group, click the “Add New Group” button. This will display a small form. From here, enter in the desired group name and select “Add”. The page will then refresh.
- To change an existing group's name, simply click the pencil icon next to the group, then press ‘✓’ to save your changes.



Machine/Group Management (cont.)

- By clicking the pencil icon on a machine's card, you can change the machine's nickname.
- To remove a machine from a group, click the 'X' in the top right of the machine's card, inside of the group you would like it removed from.
 - Note - removing a machine from a group will not remove the machine from any other groups, nor will it be removed from the 'Machine List'.
- To delete an existing group, click the trash can icon next to the group name.



Smart Detect

- The **Smart Detect** page shows lists of machines that meet certain criteria among the selected group.
- You can view more information about any item by clicking it to expose a table full of information. The table can be collapsed, by clicking it again.
- You can sort the table by clicking column headers, or filter by entering text into the white box below the header

Smart Detect

+ 20% of Machines connected (last 24 hours)

+ 60% of Machines haven't connected (last 30 days)

+ 0% of Machines approaching service interval [\(i\)](#)

+ 20% of Machines in need of service [\(i\)](#)

+ 0% of Machines with incorrect date setting [\(i\)](#)

Smart Detect					
- 10.3% of Machines connected (last 24 hours)					
Serial #	Last Comm (UTC)	Hours of Operation	Country	Location	Notes
A-00119	2023-04-03 12:36:49	44.6	United States	PMPQ-CP Salt Lake City, UT, USA	
A-00202	2023-04-03 12:42:27	0.3	United States	LP01-Q2 Indian Hill, OH, USA	
A-00305	2023-04-04 04:58:57	385.8	United States	2797 F 3 Avenue St. Boise, ID 83709, USA	
A-00401	2023-04-03 12:07:04	87.5	United States	1634 US 500, Atter, NH 07420, USA	
A-00508	2023-04-03 14:39:25	58.9	United States	124 Thimble Ct., Bartlett, IL 60103, USA	
A-00673	2023-04-03 12:22:02	674.9	United States	V44V-23 Pawlet, ME, USA	
A-00755	2023-04-04 04:43:58	7.4	United States	5825 SR Delaware Ave., Ardmore, PA 19002, USA	
A-00873	2023-04-03 07:16:48	2.9	United States	Moving Acrea N. P., Rancho Dominguez, CA 91730, USA	
A-00908	2023-04-03 01:53:31	59.4	United States	201 Venice Ave., Kenwood, NC 28081, USA	
A-00982	2023-04-03 19:34:27	0.5	United States	APBB-GP Mansfield, OH, USA	
A-01012	2023-04-03 19:23:53	5.2	United States	8055 N-H-1, Hines, TN 37346, USA	
A-01018	2023-04-03 19:09:13	2.7	United States	H568-BB Celina, OH, USA	
A-01043	2023-04-03 12:25:26	0.7	United States	LPBB-HF Prairieville, OH, USA	
A-01144	2023-04-03 12:31:43	2.6	United States	LPBB-HF Prairieville, OH, USA	
A-01244	2023-04-03 21:30:23	0.2	United States	LP01-Q2 Indian Hill, OH, USA	

+ 52.4% of Machines haven't connected (last 30 days)
+ 4.8% of Machines approaching service interval
+ 22.8% of Machines in need of service
+ 2.8% of Machines with incorrect date setting [\(i\)](#)

Smart Detect (cont.)

- The information that you can access via Smart Detect includes:
 - **Machines connected (last 24 hours)** - Sent data in the last 24 hours
 - **Machines not connected (last 30 days)** - Have not sent data in the last 30 days
 - **Machines approaching service interval** - Within 50 hours or 30 days of next service interval
 - **Machines in need of service** - Service interval hours or days have been passed
 - **Machines with incorrect date setting** - Data being sent dated prior to 2019

Smart Detect	
+ 20% of Machines connected (last 24 hours)	3 / 15
+ 60% of Machines haven't connected (last 30 days)	9 / 15
+ 0% of Machines approaching service interval (i)	0 / 15
+ 20% of Machines in need of service (i)	3 / 15
+ 0% of Machines with incorrect date setting (i)	0 / 15

Map

- The Map displays the last reported location of machines in the selected group.
- If a machine is online, the pin will appear green. If a machine is not online, the pin will be red.
 - The length of time that a machine is considered online is configurable on the **Settings** page in the **Show as Online Timeframe** dropdown. See [**Settings**](#) for more details.

Group: All Machines

Group: All Machines Customer: Vatek Corporation

Status: 3 / 15 Online Last comm: 2022-02-16 14:59:00 UTC

Last Reported Location

Keyboard shortcuts | Map data ©2022 Google, TMap Mobility | Terms of Use

Firmware Management

- The **Firmware Management** page displays all machines in the group in a table. The table of information includes:
 - Serial #
 - Machine name
 - Machine's FW version
 - Current FW version - most up to date version available
 - Firmware status - whether an update is needed
 - Custom firmware lock - set a custom date to block firmware updates until
 - Lock firmware until - the date that the firmware updates for the selected machine are blocked until

Firmware Management						
Lock all / Unlock all						
Serial #	Machine Name	Your Firmware Ver	Next Firmware Ver	Firmware Status	Custom Firmware Lock 	Lock Firmware Until
1-101338	n/a	8.42	n/a	No update needed	n/a	Permanently locked
1-101774	n/a	8.41	8.42	Contact service to have the firmware upgraded on this machine. Complete this form and select "Update Firmware" to get started.	n/a	Permanently locked
1-101796	n/a	8.42	n/a	No update needed	n/a	Permanently locked
1-101938	n/a	8.11	8.42	Contact service to have the firmware upgraded on this machine. Complete this form and select "Update Firmware" to get started.	n/a	Permanently locked
1-102047	n/a	8.42	n/a	No update needed	n/a	Permanently locked
1-102108	n/a	8.41	8.42	Contact service to have the firmware upgraded on this machine. Complete this form and select "Update Firmware" to get started.	n/a	Permanently locked
1-102110	n/a	8.42	n/a	No update needed	n/a	Permanently locked
1-102234	n/a	8.11	8.42	Contact service to have the firmware upgraded on this machine. Complete this form and select "Update Firmware" to get started.	n/a	Permanently locked
1-102389	n/a	8.41	8.42	Contact service to have the firmware upgraded on this machine. Complete this form and select "Update Firmware" to get started.	n/a	Permanently locked
1-102512	n/a	8.41	8.42	Contact service to have the firmware upgraded on this machine. Complete this form and select "Update Firmware" to get started.	n/a	Permanently locked

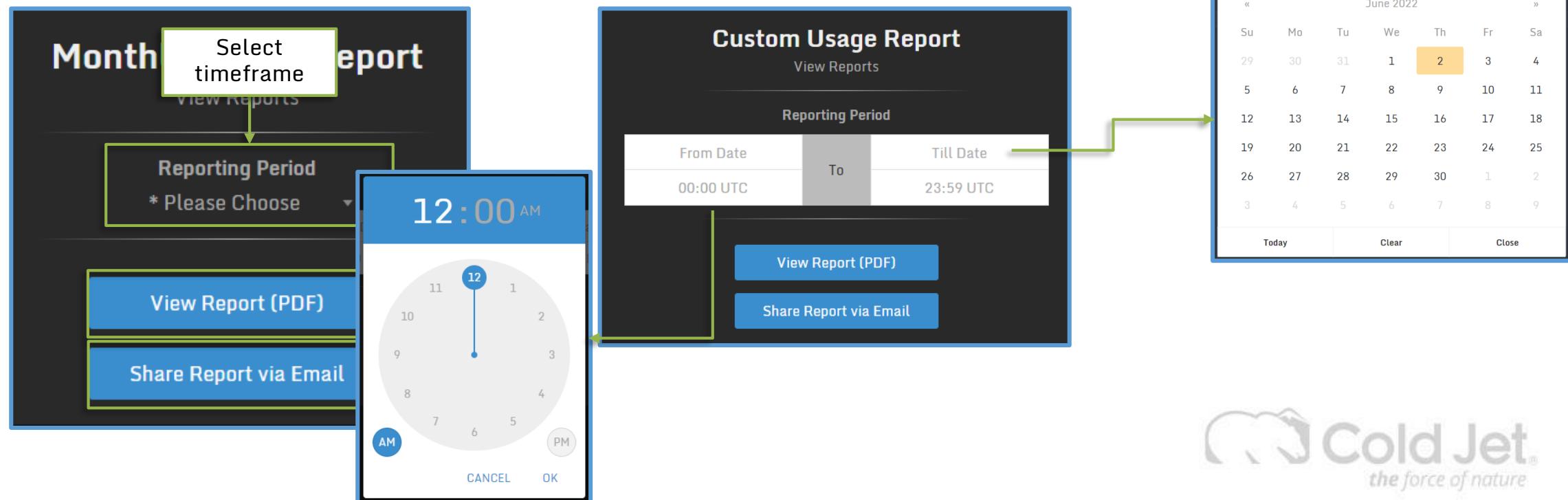
Reports

- The **Reports** section allows the user to view a variety of different Usage Reports.
- You can view your desired report by clicking on the containing box.

 Monthly Usage Report Usage during any complete month that the group was in service.	 Quarterly Usage Report Usage during any complete quarter that the group was in service.	 Annual Usage Report Usage during any complete year that the group was in service.
 Month Over Month Usage Report Compares usage during any two months that the group was in service.	 Quarter Over Quarter Usage Report Compares usage during any two quarters that the group was in service.	 Year Over Year Usage Report Compares usage during any two years that the group was in service.
 Group Vs. Group Usage Report Compares usage during any month that both selected groups were in service.	 Custom Usage Report Usage during a customized time period that the group was in service.	

Usage Reports

- To begin creating a Monthly, Quarterly, or Annual Usage Report, select a timeframe under **Reporting Period**.
- To begin creating a Custom Usage Report, select a start and end date using the calendar, and a time using the time picker.



Usage Reports (cont.)

- To begin creating a Month Over Month, Quarter Over Quarter, or Year Over Year Usage Report, select two timeframes under **Reporting Period 1** and **Reporting Period 2**.
- To begin creating a Group Vs. Group Usage Report, first select two groups (from the same customer) from under **Group 1** and **Group 2**. Then, select a timeframe under **Reporting Period**.

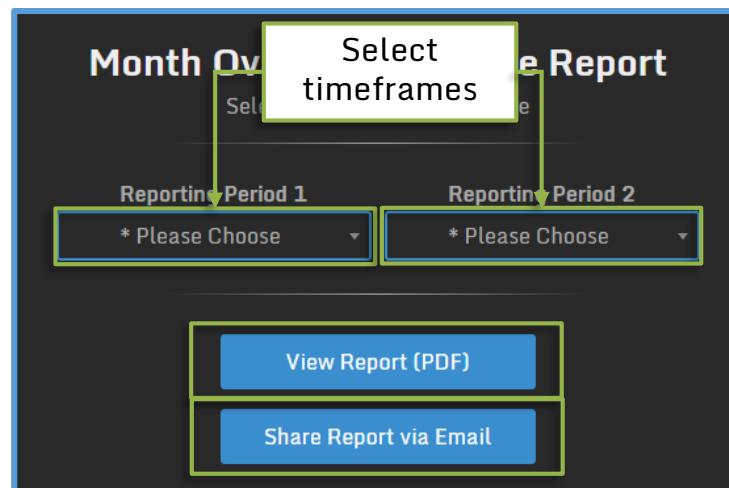
Month Over Month Usage Report

Select timeframes

Reporting Period 1 * Please Choose Reporting Period 2 * Please Choose

View Report (PDF)

Share Report via Email



Group Vs. Group Usage Report

Select two groups to compare. Once two groups have been selected, you will be able to select a reporting period in which machines from both groups were in service.

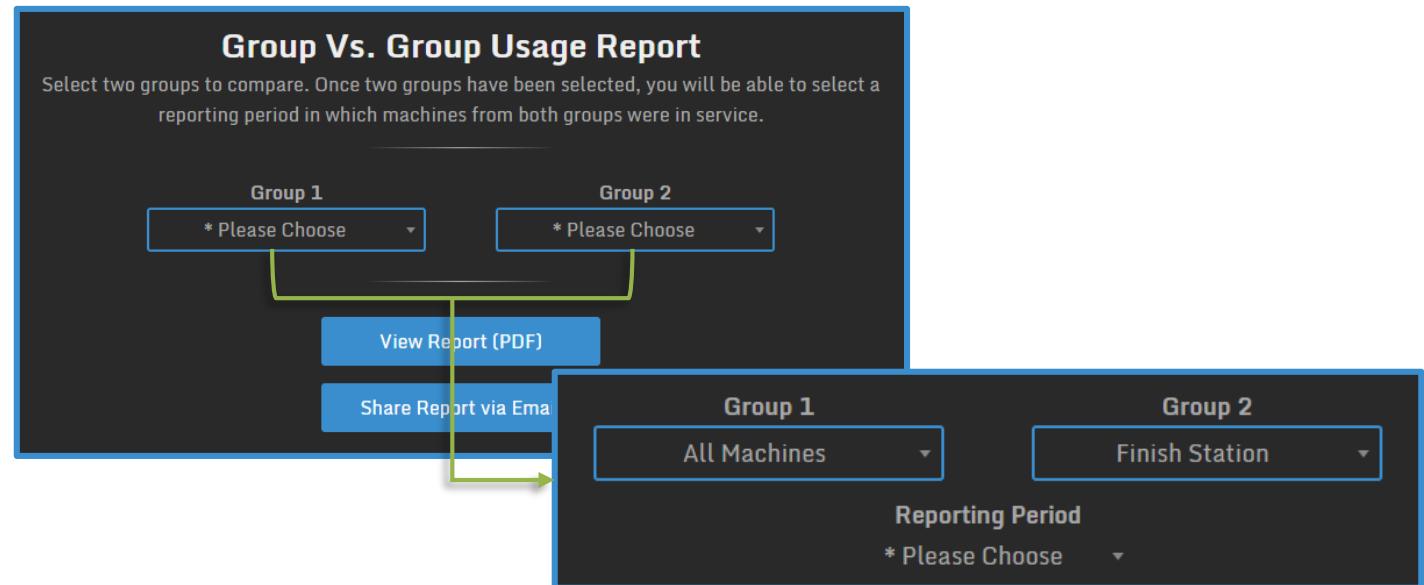
Group 1 * Please Choose Group 2 * Please Choose

View Report (PDF)

Share Report via Email

Group 1 All Machines Group 2 Finish Station

Reporting Period * Please Choose



Share Report via Email

- Once you have selected a timeframe, you may view a PDF of the report or share the report to someone else via email.
- If you choose to share the report via email, you will be directed to a form. The form includes:
 - Email(s) to receive report, separated by commas
 - Email subject
 - Optional notes to receiver

Monthly Usage Report

View Reports

Reporting Period
* Please Choose ▾

View PDF Report

Share report via Email

View Report (PDF)

Share Report via Email

Email Monthly Usage Report

Send Monthly Usage Report to Email

Email Details

Note - If sending to multiple email addresses, please separate each email with a comma.

Email(s) to Receive Report *

Email Subject * Your Monthly Usage Report

Notes to Receiver

Comments...

Preview PDF File

Send Email

Share Report via Email (cont.)

- Once you have filled out the share report form, you must confirm the details.
 - If you are satisfied with the details of your email and report, select the “Confirm” checkbox and click “Send Now”
 - If you wish to go back and alter any details of the email, select “Cancel”

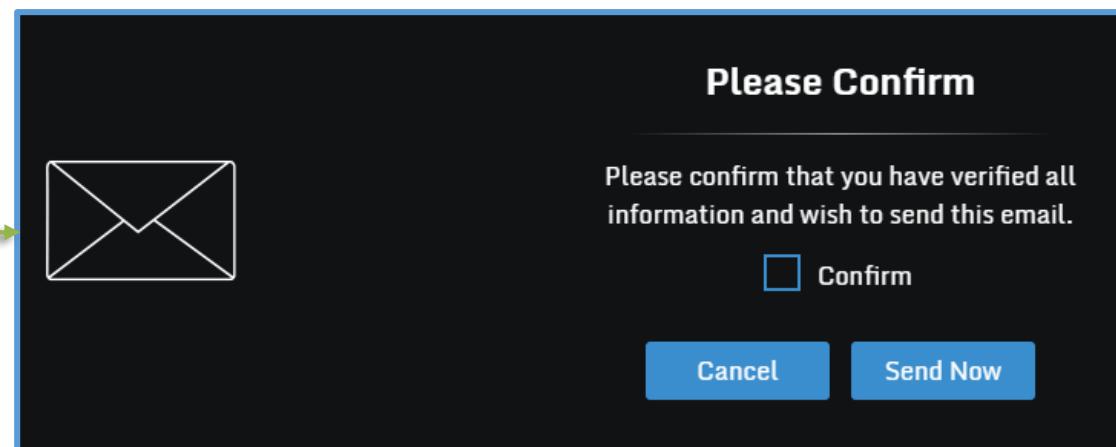
Email Monthly Usage Report
Send Monthly Usage Report to Email

Email Details
Note - If sending to multiple email addresses, please separate each email with a comma.

Email(s) to Receive Report *

Email Subject * Your Monthly Usage Report

Notes to Receiver
 Comments...



Monthly Usage Report PDF

- Selecting “View Report (PDF)” produces the following report:



Cold Jet
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CONNECT® Analytics

Period: July 2021
Group: Surface Prep Area

Monthly Usage Report

Please review the monthly status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

Total Run Time	64.9 hrs
Estimated Ice Usage	452.4 kg
Avg Feed Rate	0.16 kg/min
Avg Blast Time	11.8 minutes
# Trigger Pulls	242

Smart Detect

Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

CONNECT® Analytics
Fleet Reporting

Period: July 2021
Group: VT Group2

Cold Jet
the force of nature

Monthly Usage Report

July 2021 - Blast Time by Day in Hours

Sun	Mon	Tue	Wed	Thu	Fri	Sat
—	—	—	—	1 0.34	2 0.34	3 —
4 —	5 —	6 0.56	7 0.92	8 0.47	9 0.10	10 —
11 —	12 1.51	13 —	14 2.16	15 —	16 0.74	17 —
18 —	19 0.13	20 0.13	21 —	22 —	23 —	24 —
25 —	26 —	27 0.27	28 —	29 —	30 —	31 —

Aggregate Blast Time by Day of the Week



Estimated Aggregate Ice Usage by Day of the Week



CONNECT® Analytics
Fleet Reporting

Period: July 2021
Group: VT Group2

Cold Jet
the force of nature

Monthly Usage Report

Usage Overview

Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (lb)	Avg Feed Rate (lb/min)	Connected in Period?
3+101924	0.0	0.0	0.0	0.0	NO
3+101981	7.4	8.8	199.57	0.45	YES
3+102083	0.5	1.1	22.43	0.75	YES

Service Overview

Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101924	500 hrs / 12 mos	500 / 2022-04-07	27.0 / 2021-11-22	NO
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2021-11-22	NO
3+102083	500 hrs / 12 mos	500 / 2022-06-30	10.3 / 2021-11-22	NO

Firmware Overview

Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101924	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11
3+102083	Aero2 PCS 60	8.11	8.11

*You can determine which model your machine is by looking at the serial number.
A serial beginning with **1+** indicates an **Aero2 PLT 60** machine.
A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.
A serial beginning with **5+** indicates an **B MicroClean 2** machine.

Monthly Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

Please review the monthly status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview	
Total Run Time	64.9 hrs
Estimated Ice Usage	452.4 kg
Avg Feed Rate	0.16 kg/min
Avg Blast Time	11.8 minutes
# Trigger Pulls	242

Smart Detect	
Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

Monthly Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Monthly Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate usage overview
 - Smart Detect

Aggregate Usage Overview	
Total Run Time	64.9 hrs
Estimated Ice Usage	452.4 kg
Avg Feed Rate	0.16 kg/min
Avg Blast Time	11.8 minutes
# Trigger Pulls	242
Smart Detect	
Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

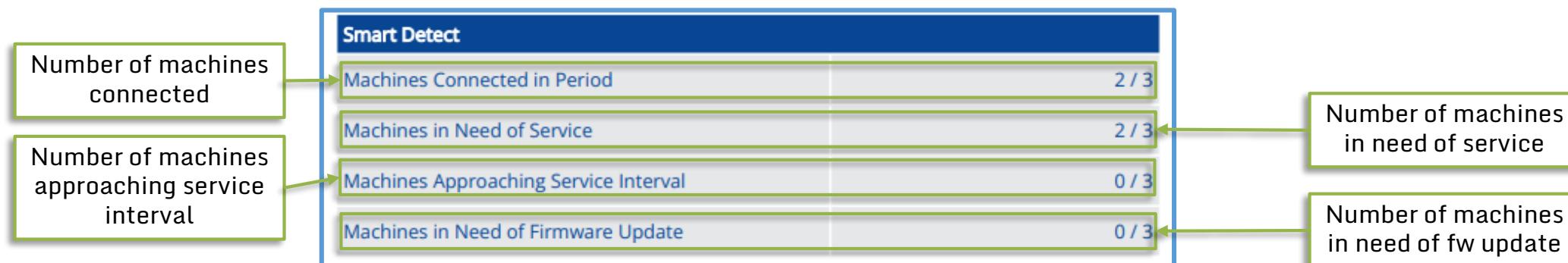
Estimated ice usage in period → Amount of hours of usage

Average blast time → Average feed rate used

Average blast time → Number of trigger pulls

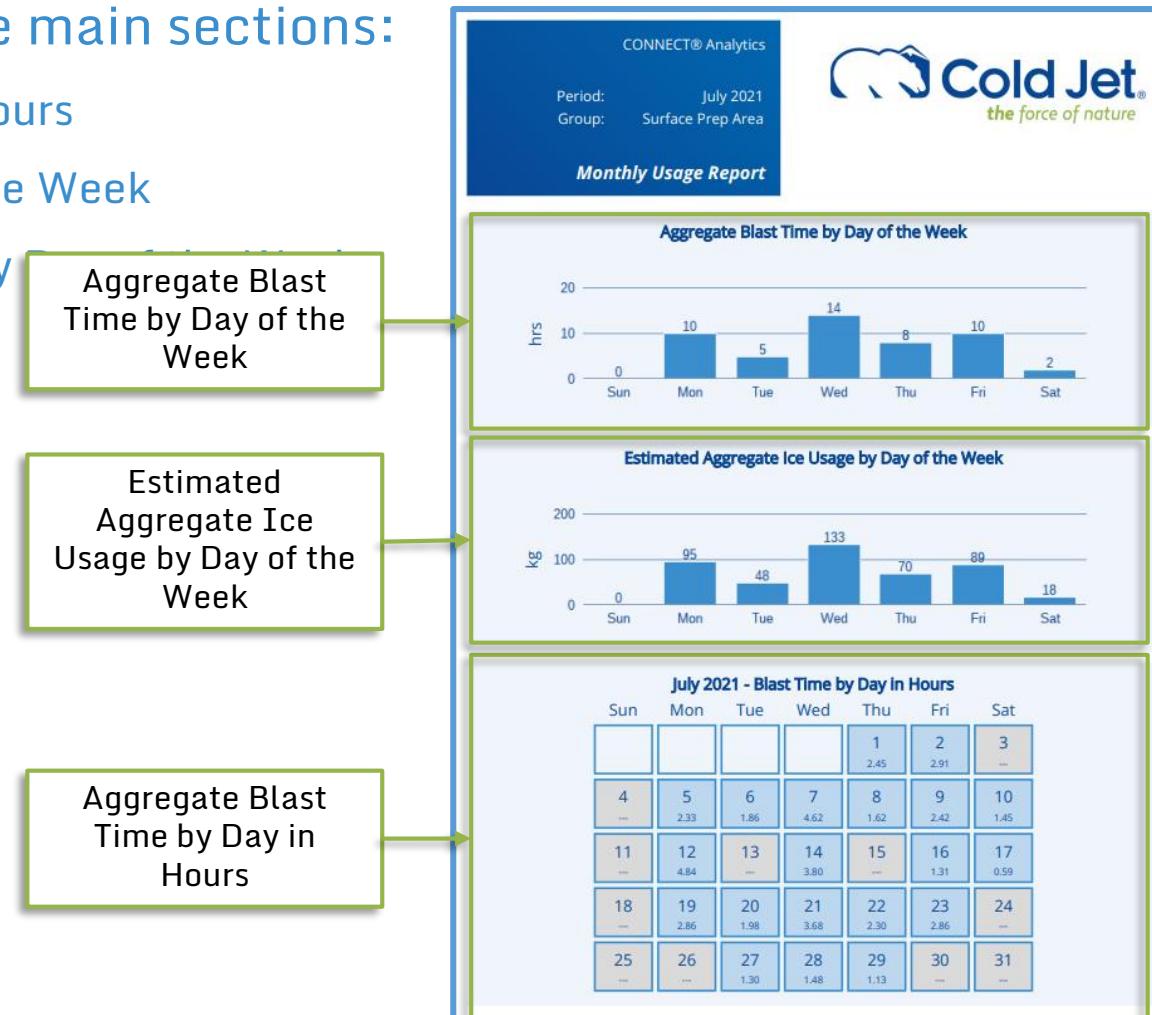
Monthly Usage Report PDF (cont.)

- The Smart Detect section contains:
 - Number of machines connected in the period
 - Number of machines in need of service
 - Number of machines approaching service interval
 - Number of machines in need of firmware update



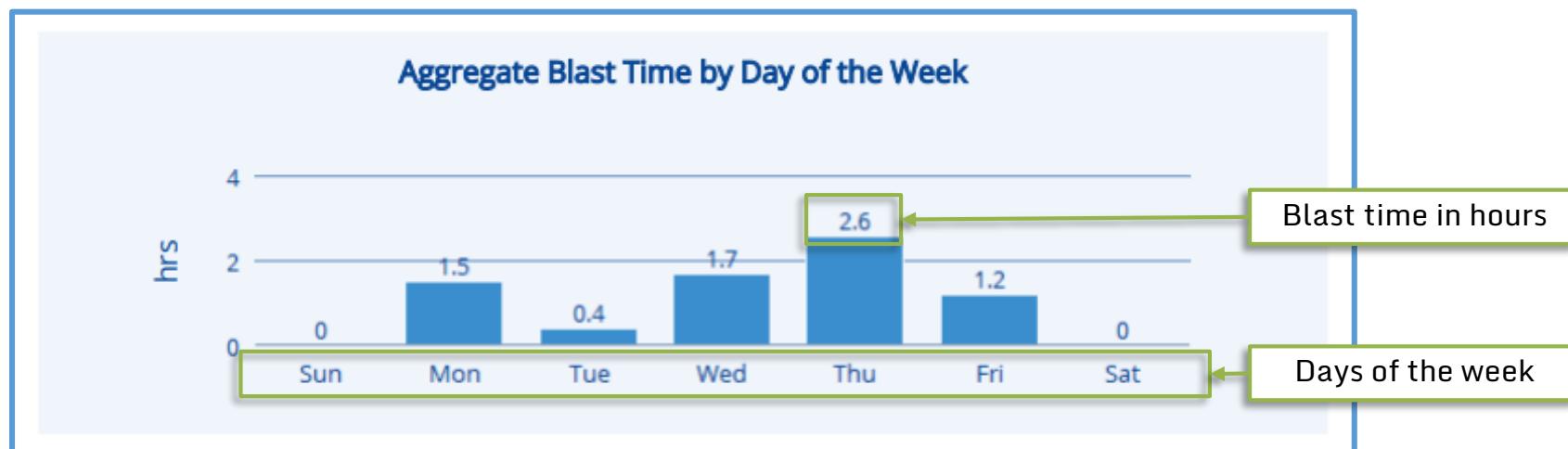
Monthly Usage Report PDF (cont.)

- The second page contains three main sections:
 - Aggregate Blast Time by Day in Hours
 - Aggregate Blast Time by Day of the Week
 - Estimated Aggregate Ice Usage by



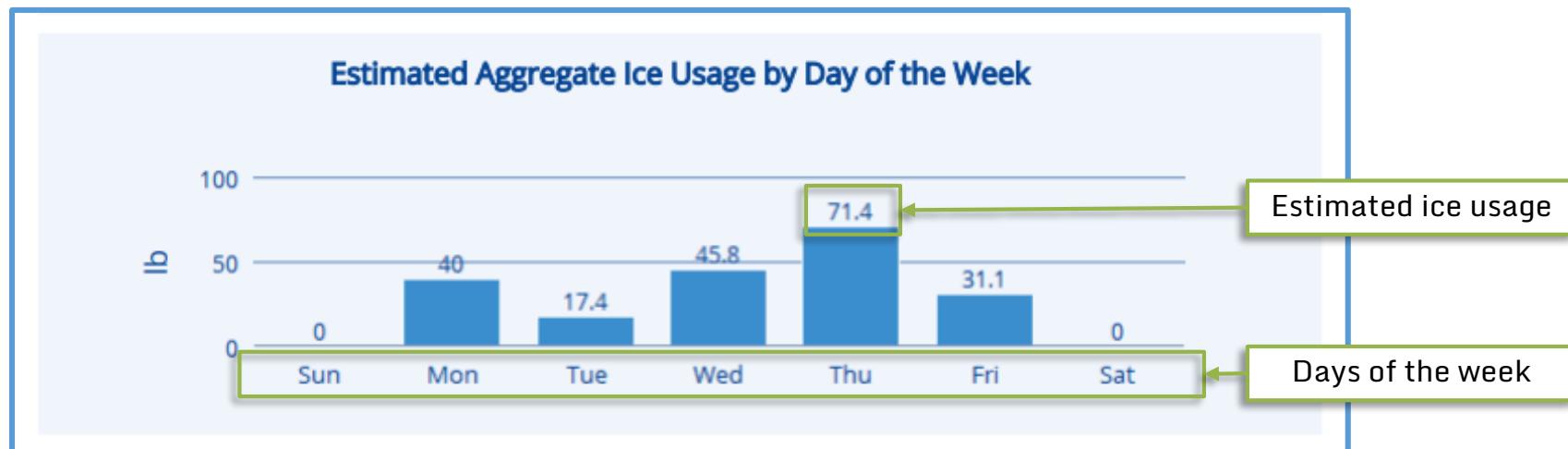
Monthly Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in the month. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the month.



Monthly Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in the month. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the month.



Monthly Usage Report PDF (cont.)

- The Aggregate Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day

July 2021 - Blast Time by Day in Hours						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 —	2 0.34	3 —
4 —	5 —	6 0.56	7 0.92	8 0.47	9 0.10	10 —
11 —	12 1.51	13 —	14 2.16	15 —	16 0.74	17 —
18 —	19 0.13	20 0.13	21 —	22 —	23 —	24 —
25 —	26 —	27 —	28 0.27	29 —	30 —	31 —

Calendar month and days

Days of the month

Hours of blast time per day

Monthly Usage Report PDF (cont.)

- The final pages contain four sections:
 - Usage Overview
 - Service Overview
 - Firmware Overview
 - Footnotes

CONNECT® Analytics
Period: July 2021
Group: Surface Prep Area

Cold Jet
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Monthly Usage Report

Usage Overview

Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected In Period?
3+101731	57.5	463.1	367.99	0.15	YES
3+101981	7.4	8.8	84.43	0.20	YES
3+102517	0.0	2.0	0.00	0.00	NO

Service Overview

Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101731	500 hrs / 12 mos	500 / 2021-12-15	1700.4 / 2022-07-19	YES
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2022-07-19	YES
3+102517	500 hrs / 12 mos	500 / 2023-03-25	2.0 / 2022-07-19	NO

Firmware Overview

Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101731	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11
3+102517	Aero2 PCS 60	8.40	8.11

*You can determine which model your machine is by looking at the serial number.
A serial beginning with **1+** indicates an **Aero2 PLT 60** machine.
A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.
A serial beginning with **5+** indicates an **i3 MicroClean 2** machine.

Usage Overview

Service Overview

Firmware Overview

Footnotes



Monthly Usage Report PDF (cont.)

- **Usage Overview** provides insight into the usage for each machine in the group during the selected timeframe.
- **Service Overview** shows the current service status of each machine in the group.
- **Firmware Overview** tells us the firmware status of each machine in the group, indicated by color; red firmware versions need an upgrade, green are up to date.

Usage Overview					
Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (lb)	Avg Feed Rate (lb/min)	Connected in Period?
3+101924	0.0	0.0	0.0	0.0	NO
3+101981	7.4	8.8	199.57	0.45	YES
3+102083	0.5	1.1	22.43	0.75	YES

Service Overview				
Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101924	500 hrs / 12 mos	500 / 2022-04-07	27.0 / 2021-11-22	NO
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2021-11-22	NO
3+102083	500 hrs / 12 mos	500 / 2022-06-30	10.3 / 2021-11-22	NO

Firmware Overview			
Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101924	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11
3+102083	Aero2 PCS 60	8.11	8.11

Monthly Usage Report PDF (cont.)

- The **footnotes** at the end of the report describe how to determine which model each machine in the group is.

* You can determine which model your machine is by looking at the serial number.

A serial beginning with **1+** indicates an **Aero2 PLT 60** machine.

A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.

A serial beginning with **5+** indicates an **i3 MicroClean 2** machine.

Month Over Month Usage Report PDF

- Selecting “View Report (PDF)” produces the following report:



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CONNECT® Analytics

Period: September 2021 vs. October 2021
Group: Surface Prep Area

Month Over Month Usage Report

Please review the Month Over Month status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

	September 2021	October 2021
Total Run Time	83.4 hrs	58.9 hrs
Estimated Ice Usage	736.8 kg	373.7 kg
Avg Feed Rate	0.17 kg/min	0.15 kg/min
Avg Blast Time	10.2 minutes	24.4 minutes
# Trigger Pulses	417	102

Most Used Day

	September 2021	October 2021
Date	September 1, 2021	October 13, 2021
Total Run Time this Day	17.3 hrs	3.7 hrs
Estimated Ice Usage this Day	202.58 kg	33.00 kg

CONNECT® Analytics
Period: September 2021 vs. October 2021
Group: Surface Prep Area

Month Over Month Usage Report

Aggregate Blast Time by Day of the Week

Day	September 2021 (hrs)	October 2021 (hrs)
Sun	0	2
Mon	7	10
Tue	16	18
Wed	24	17
Thu	24	18
Fri	10	19
Sat	4	6

Estimated Aggregate Ice Usage by Day of the Week

Day	September 2021 (kg)	October 2021 (kg)
Sun	0	17
Mon	58	68
Tue	57	43
Wed	258	98
Thu	260	49
Fri	48	87
Sat	16	51

Aggregate Blast Time by Day of the Month

Day	September 2021 (hrs)	October 2021 (hrs)
1	12	2
3	2	1
5	1	1
7	1	1
9	1	1
11	1	1
13	1	1
15	1	1
17	1	1
19	1	1
21	1	1
23	1	1
25	1	1
27	1	1
29	1	1
31	1	1

September 2021 - Blast Time by Day in Hours

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 17.33	2 13.33	3 5.52	4 —
5 3.41	6 1.70	7 1.14	8 9.07	9 —	10 —	11 —
12 1.31	13 1.32	14 3.30	15 4.96	16 2.38	17 0.45	18 —
19 20 —	20 —	21 —	22 —	23 1.13	24 0.57	25 1.34
26 —	27 1.96	28 3.27	29 1.75	30 —		

October 2021 - Blast Time by Day in Hours

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 3.12	2 0.45		
3 —	4 2.23	5 2.95	6 0.67	7 2.86	8 1.71	9 2.84
10 0.57	11 1.90	12 —	13 3.67	14 1.32	15 2.47	16 1.16
17 1.27	18 1.18	19 1.31	20 1.11	21 —	22 1.18	23 1.17
24 —	25 2.24	26 0.90	27 1.16	28 1.31	29 1.16	30 —
31 —						

Month Over Month Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

The screenshot displays the 'Month Over Month Usage Report' for the 'Surface Prep Area' group. It includes a header with the Cold Jet logo and 'CONNECT® Analytics' information, followed by a summary table and two detailed tables: 'Aggregate Usage Overview' and 'Most Used Day'.

Header:

- Cold Jet logo: the force of nature
- CONNECT® Analytics
- Period: September 2021 vs. October 2021
- Group: Surface Prep Area
- Month Over Month Usage Report

Text:

Please review the Month Over Month status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

	September 2021	October 2021
Total Run Time	83.4 hrs	58.9 hrs
Estimated Ice Usage	736.8 kg	373.7 kg
Avg Feed Rate	0.17 kg/min	0.15 kg/min
Avg Blast Time	10.2 minutes	24.4 minutes
# Trigger Pulls	417	102

Most Used Day

	September 2021	October 2021
Date	September 1, 2021	October 13, 2021
Total Run Time this Day	17.3 hrs	3.7 hrs
Estimated Ice Usage this Day	202.58 kg	33.00 kg

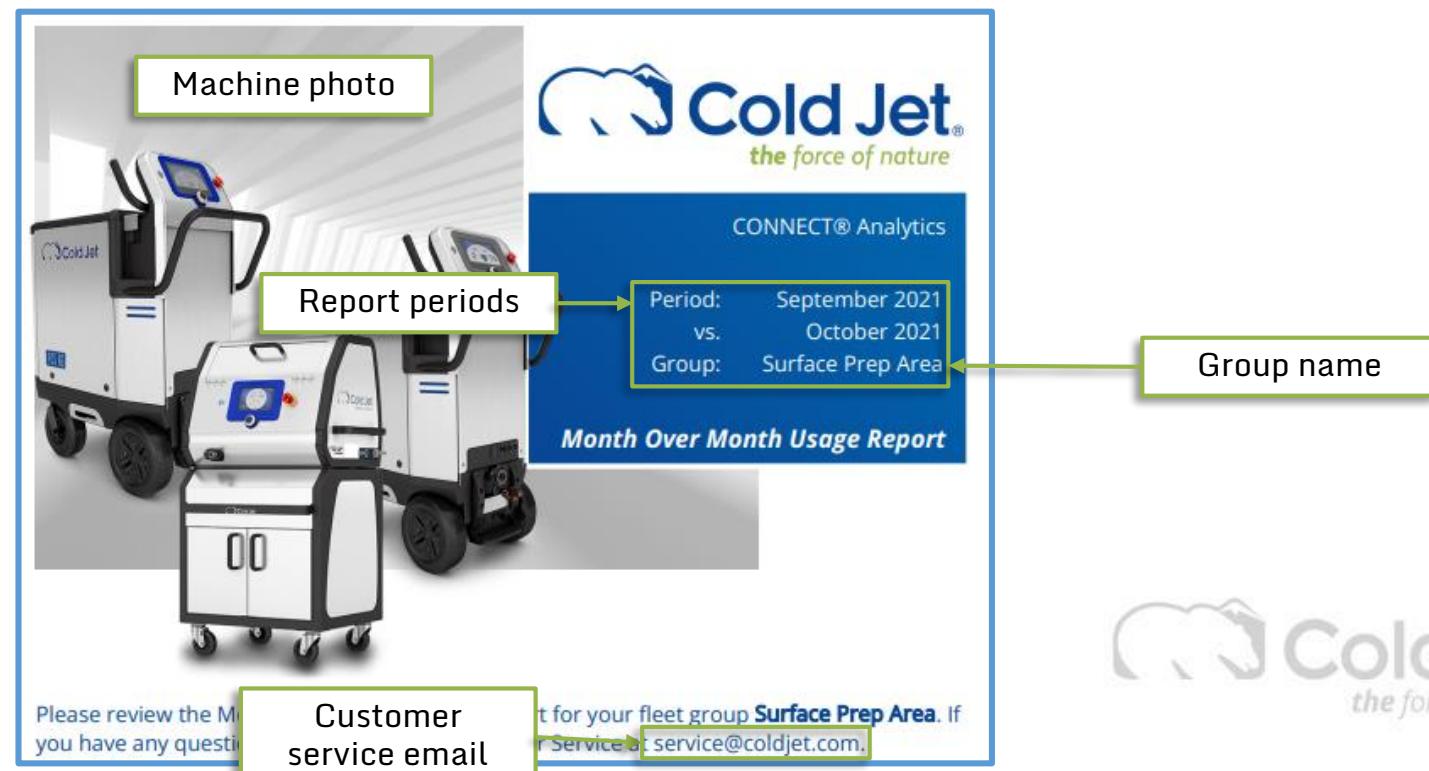
Group information: Points to the header section of the report.

Group data: Points to the 'Aggregate Usage Overview' and 'Most Used Day' tables.



Month Over Month Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Month Over Month Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate Usage Overview
 - Most Used Day

Aggregate Usage Overview		
	September 2021	October 2021
Total Run Time	83.4 hrs	58.9 hrs
Estimated Ice Usage	736.8 kg	373.7 kg
Avg Feed Rate	0.17 kg/min	0.15 kg/min
Avg Blast Time	10.2 minutes	24.4 minutes
# Trigger Pulls	417	102
Most Used Day		
	September 2021	October 2021
Date	September 1, 2021	October 13, 2021
Total Run Time this Day	17.3 hrs	3.7 hrs
Estimated Ice Usage this Day	202.58 kg	33.00 kg

Estimated ice usage in period

Average blast time

First Period Data

Second Period Data

Amount of hours of usage

Average feed rate used

Number of trigger pulls

Month Over Month Usage Report PDF (cont.)

- The Most Used Day section contains:
 - The day that the selected group was used the most, during the selected periods
 - The total run time during the most used day
 - The estimated total ice usage during the most used day

Most Used Day		
	September 2021	October 2021
Date	September 1, 2021	October 13, 2021
Total Run Time this Day	17.3 hrs	3.7 hrs
Estimated Ice Usage this Day	202.58 kg	33.00 kg

Day the group was used most

Estimated ice usage during the most used day

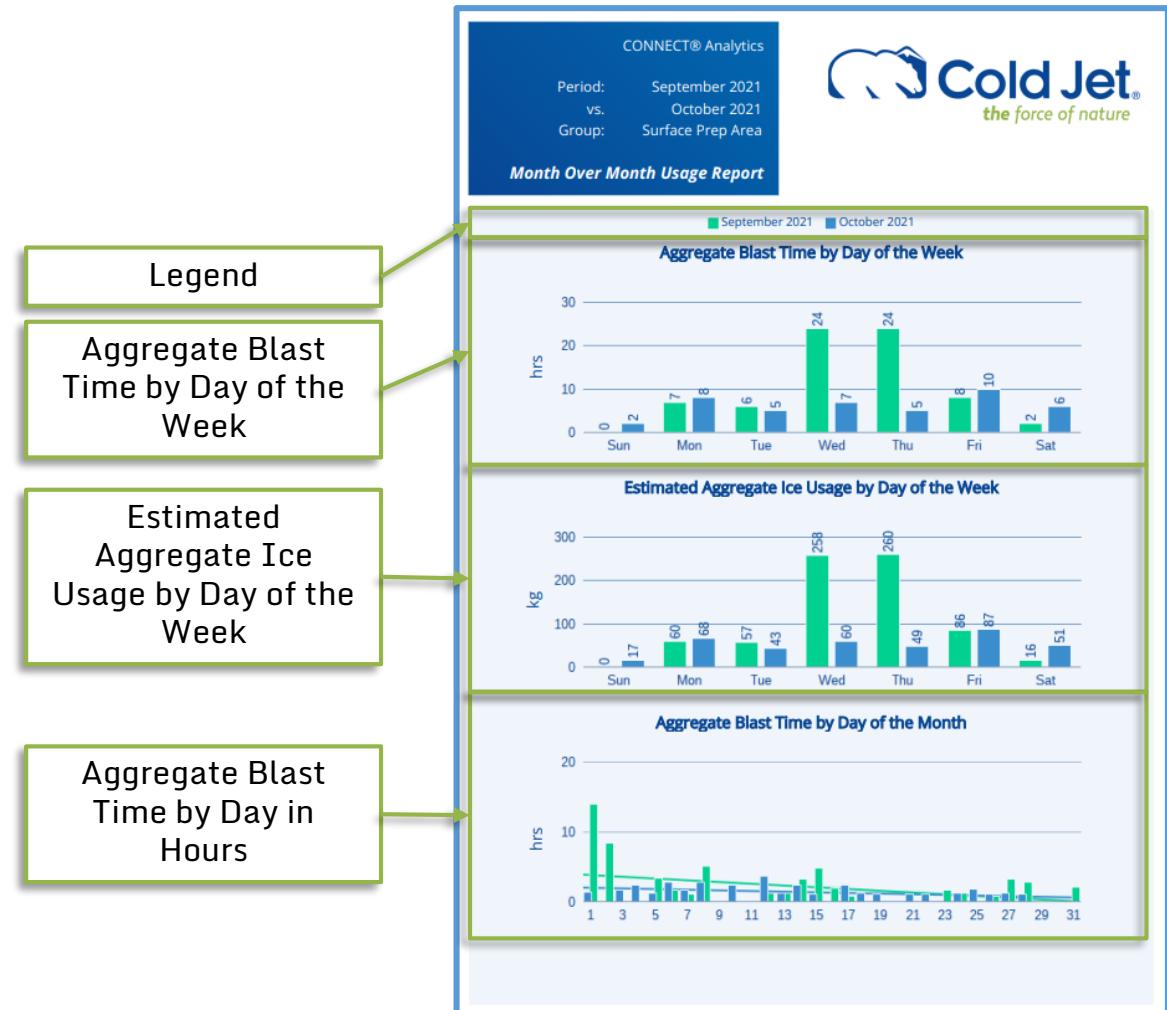
Total run time during the most used day

First Period Data

Second Period Data

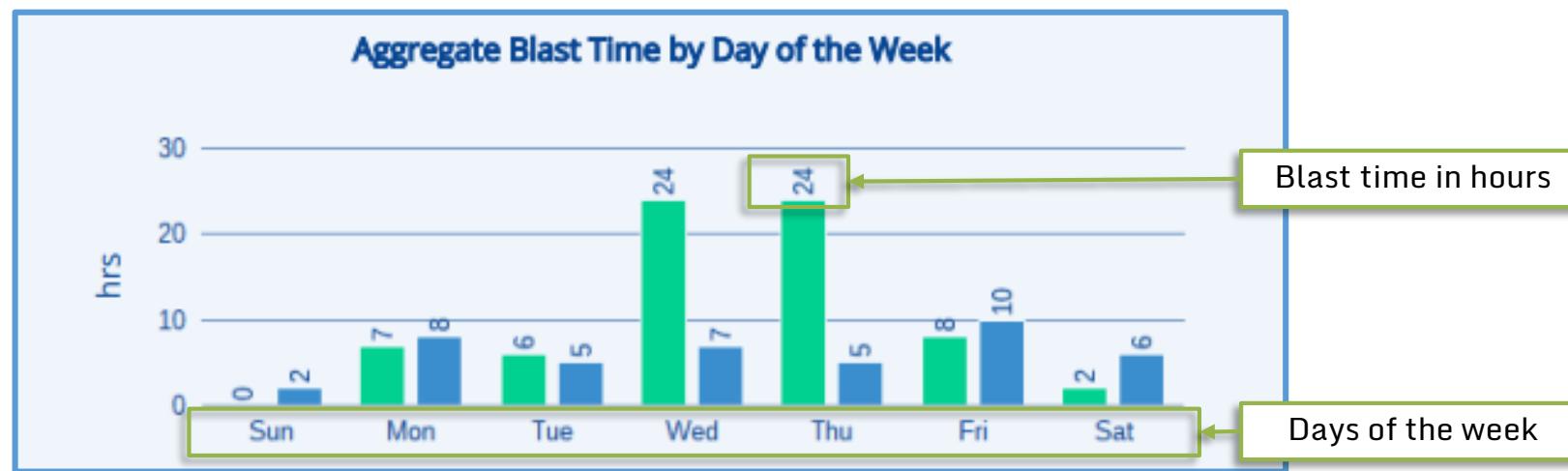
Month Over Month Usage Report PDF (cont.)

- The second page contains four main sections:
 - Chart legend
 - Aggregate Blast Time by Day of the Week
 - Estimated Aggregate Ice Usage by Day of the Week
 - Aggregate Blast Time by Day of the Month



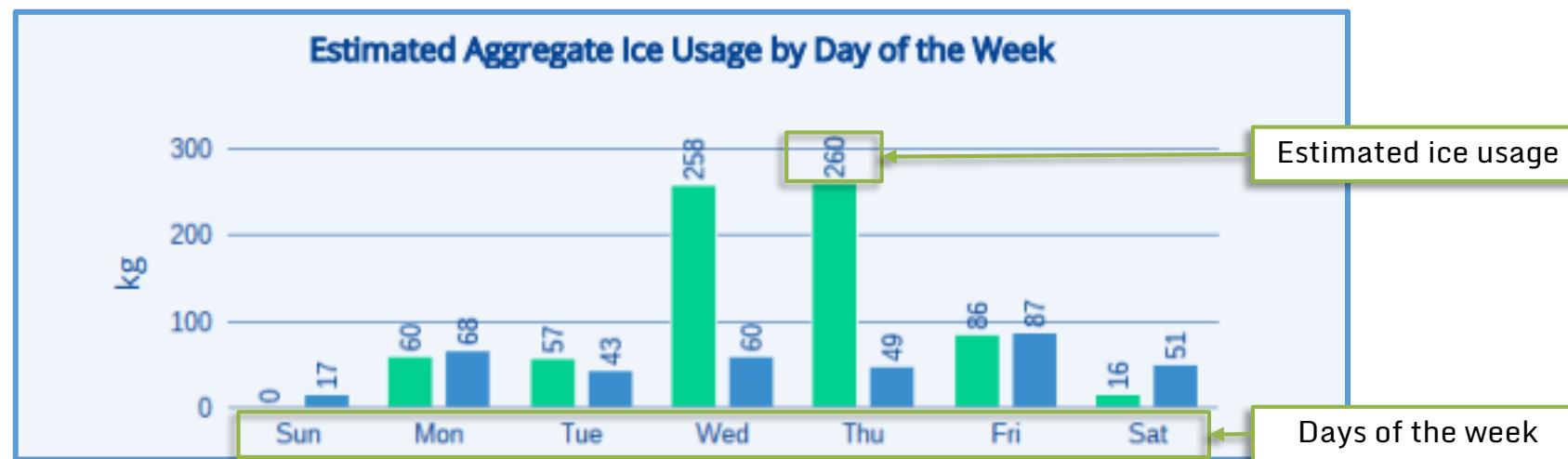
Month Over Month Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in the month. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the month.



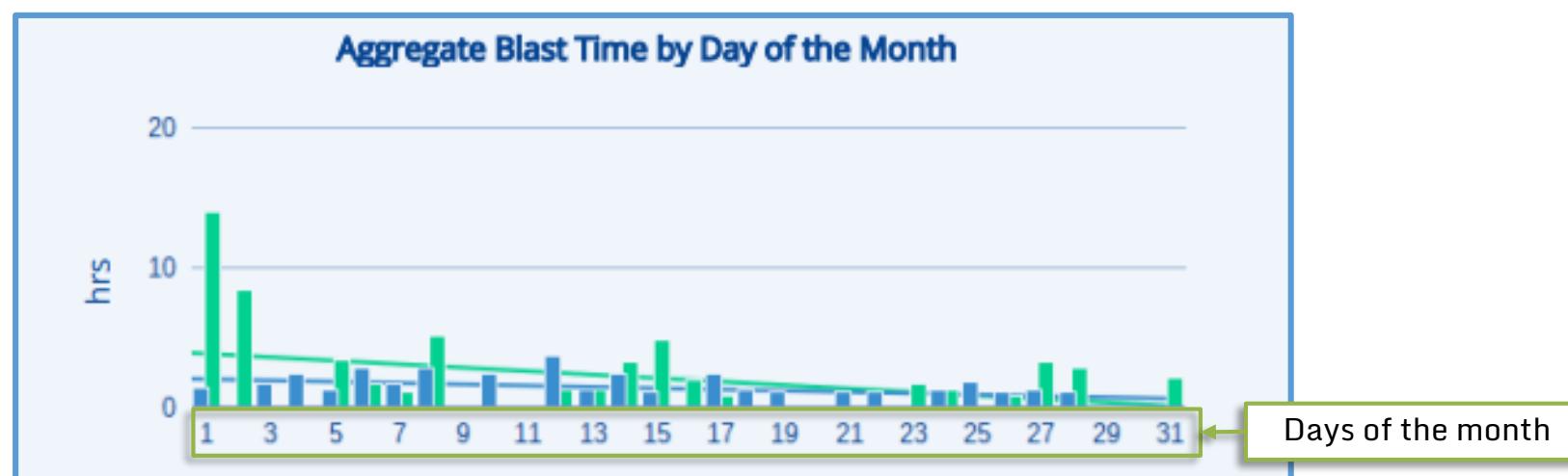
Month Over Month Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in the month. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the month.



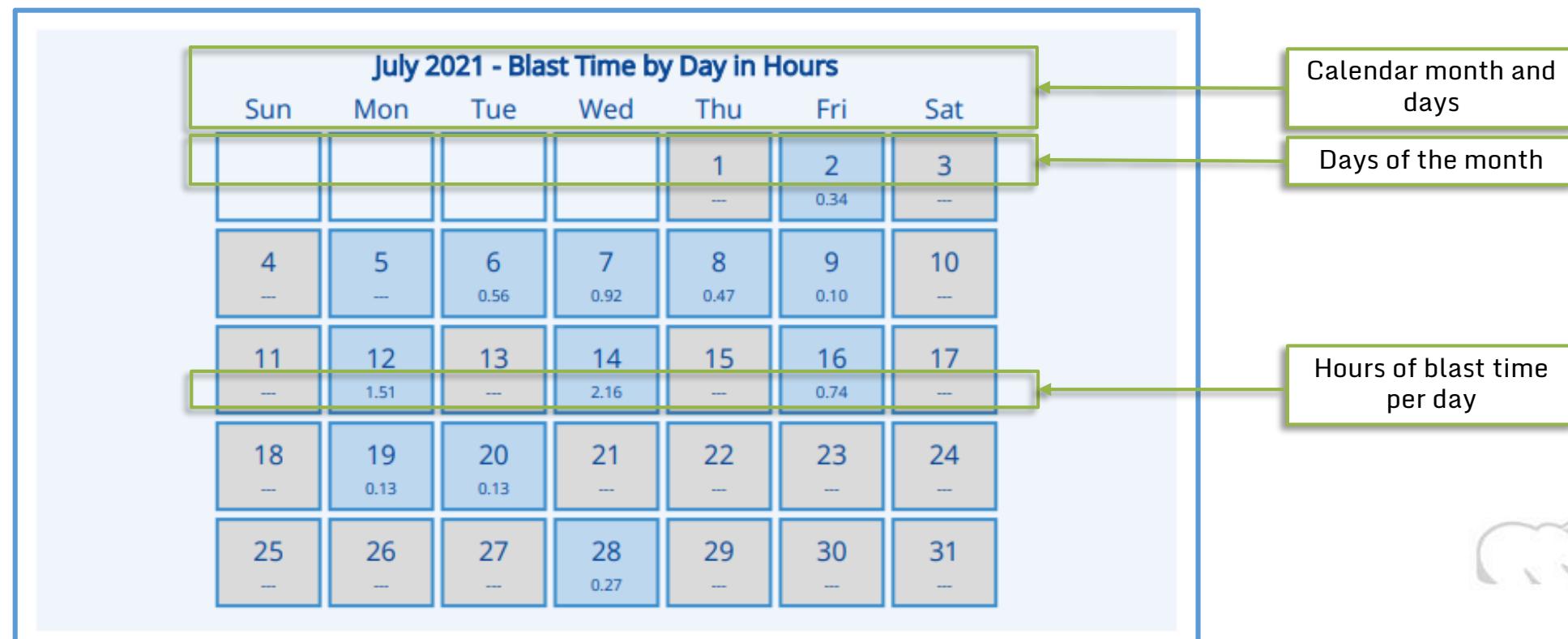
Month Over Month Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Month chart contains:
 - Days of the month (1 - 31)
 - Total blast time data for each day of the month, in hours



Month Over Month Usage Report PDF (cont.)

- The third page of the report contains calendars with blast time by day in hours for both months selected.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day



Quarterly Usage Report PDF

- Selecting “View Report (PDF)” produces the following report:

 **Cold Jet.**
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CONNECT® Analytics
Period: Q3 2021 (Jul - Sep)
Group: Surface Prep Area

Quarterly Usage Report

Please review the quarterly status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

Total Run Time	444.4 hrs
Estimated Ice Usage	4,242 kg
Avg Feed Rate	0.19 kg/min
Avg Blast Time	6.9 minutes
# Trigger Pulls	3,311

Smart Detect

Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

 **Cold Jet.**
the force of nature

CONNECT® Analytics
Period: Q3 2021 (Jul - Sep)
Group: Surface Prep Area

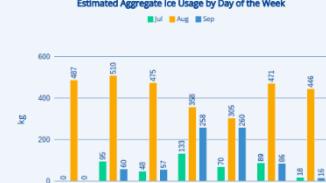
Quarterly Usage Report

Aggregate Blast Time by Day of the Week



Day	July	Aug	Sep
Sun	10	10	10
Mon	42	10	5
Tue	14	15	15
Wed	16	14	24
Thu	14	26	24
Fri	10	10	10
Sat	27	27	27

Estimated Aggregate Ice Usage by Day of the Week



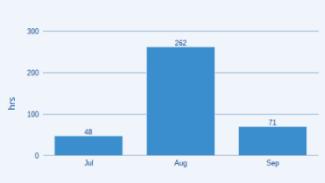
Day	July	Aug	Sep
Sun	47	510	50
Mon	10	110	48
Tue	175	131	57
Wed	258	298	206
Thu	70	206	189
Fri	171	171	185
Sat	118	146	118

 **Cold Jet.**
the force of nature

CONNECT® Analytics
Period: Q3 2021 (Jul - Sep)
Group: Surface Prep Area

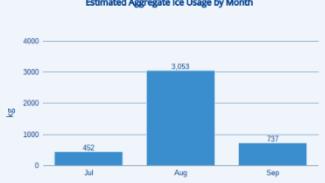
Quarterly Usage Report

Aggregate Blast Time by Month



Month	July	Aug	Sep
Jul	48	262	71

Estimated Aggregate Ice Usage by Month



Month	July	Aug	Sep
Jul	452	3,053	737

 **Cold Jet.**
the force of nature

CONNECT® Analytics
Period: Q3 2021 (Jul - Sep)
Group: Surface Prep Area

Quarterly Usage Report

July 2021 - Blast Time by Day in Hours

Day	1	2	3	4	5	6	7
Sun	—	—	—	—	—	—	—
Mon	—	—	—	—	—	—	—
Tue	—	—	—	—	—	—	—
Wed	—	—	—	—	—	—	—
Thu	2.46	2.46	2.46	2.46	2.46	2.46	2.46
Fri	2.91	2.91	2.91	2.91	2.91	2.91	2.91
Sat	—	—	—	—	—	—	—

August 2021 - Blast Time by Day in Hours

Day	1	2	3	4	5	6	7
Sun	1.71	1.31	—	—	—	—	—
Mon	2.09	0.62	0.62	—	—	—	—
Tue	1.19	0.76	1.14	0.91	0.91	1.14	0.64
Wed	1.29	1.14	1.14	0.99	0.99	1.14	0.64
Thu	1.21	1.14	1.14	1.06	1.06	1.14	0.64
Fri	1.21	1.14	1.14	1.06	1.06	1.14	0.64
Sat	—	—	—	—	—	—	—

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CONNECT® Analytics
Period: Q3 2021 (Jul - Sep)
Group: Surface Prep Area

Quarterly Usage Report

Usage Overview

Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected in Period?
3+101731	148.7	554.3	997.32	0.15	YES
3+101981	295.7	297.1	3,244.77	0.20	YES
3+102517	0.0	2.0	0.00	0.00	NO

Service Overview

Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101731	500 hrs / 12 mos	500 / 2021-12-15	2022-07-19	YES
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2022-07-19	YES
3+102517	500 hrs / 12 mos	500 / 2023-03-25	2.0 / 2022-07-19	NO

Firmware Overview

Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101731	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11
3+102517	Aero2 PCS 60	8.40	8.11

* You can determine which model your machine is by looking at the serial number.
A serial beginning with **1+** indicates an **Aero2 PCS 60** machine.
A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.
A serial beginning with **5+** indicates an **MicroClean 2** machine.

Quarterly Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

Group information

Please review the quarterly status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview	
Total Run Time	444.4 hrs
Estimated Ice Usage	4,242 kg
Avg Feed Rate	0.19 kg/min
Avg Blast Time	6.9 minutes
# Trigger Pulls	3,311

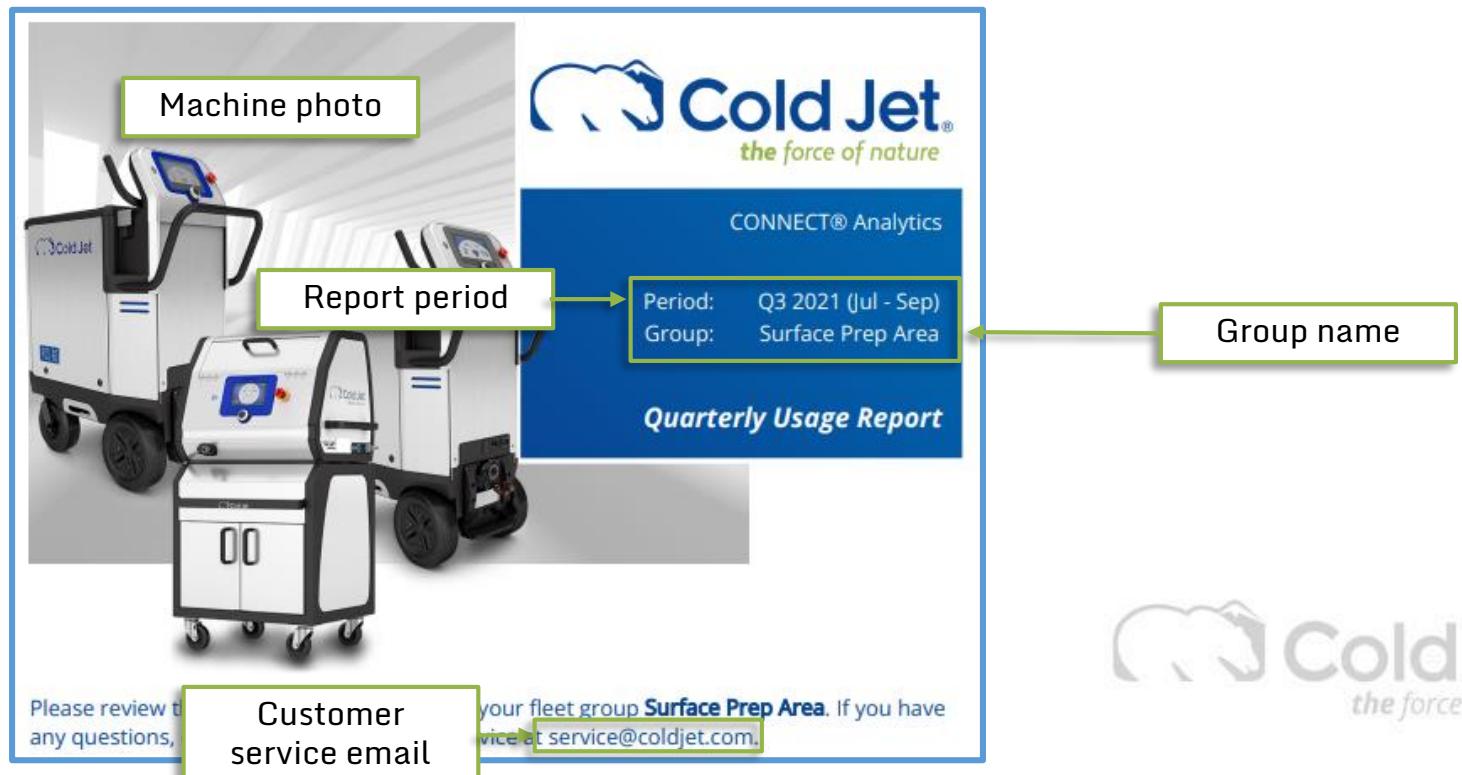
Smart Detect	
Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

Group data

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Quarterly Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Quarterly Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate usage overview
 - Smart Detect

Aggregate Usage Overview	
Total Run Time	299.7 hrs
Estimated Ice Usage	7,399 lb
Avg Feed Rate	0.45 lb/min
Avg Blast Time	272 seconds
# Trigger Pulls	3,633
Smart Detect	
Machines Connected in Period	2 / 3
Machines in Need of Service	0 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

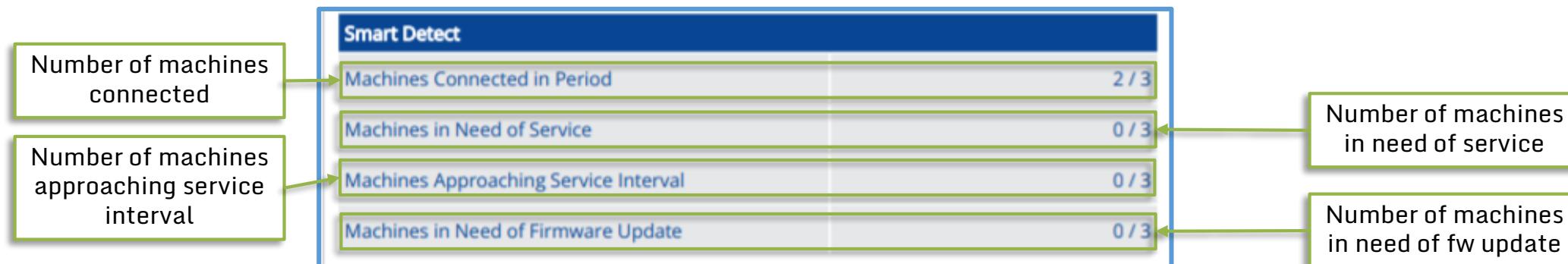
Estimated ice usage in period → Amount of hours of usage

Average blast time → Average feed rate used

Average blast time → Number of trigger pulls

Quarterly Usage Report PDF (cont.)

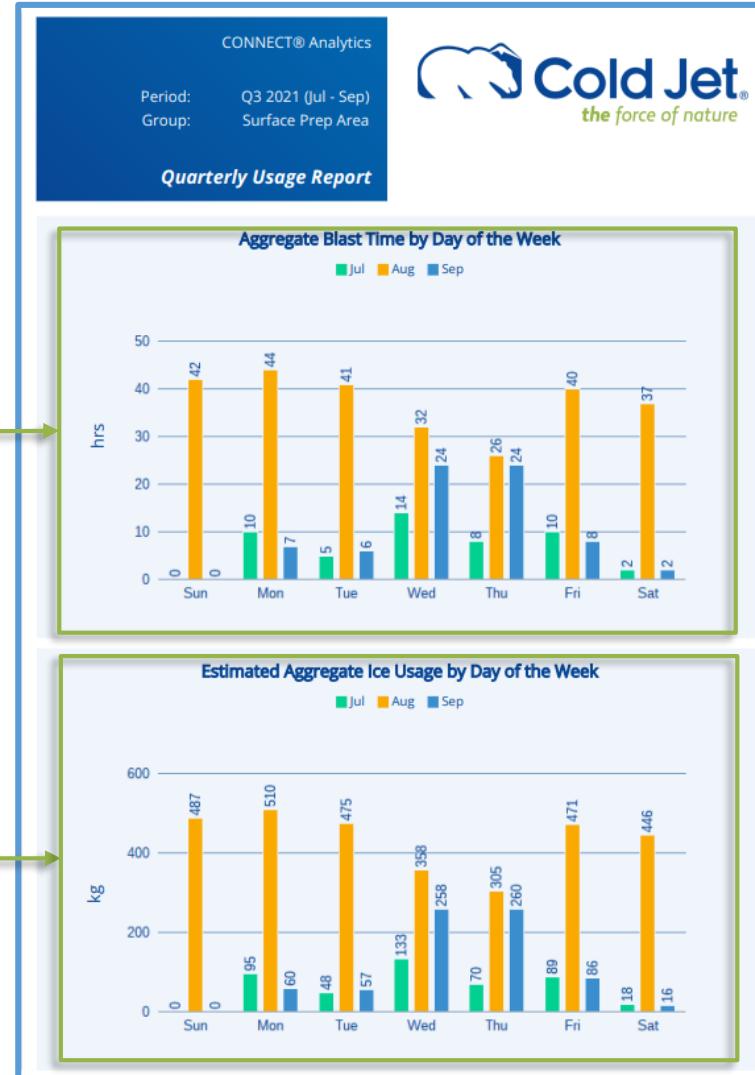
- The Smart Detect section contains:
 - Number of machines connected in the period
 - Number of machines in need of service
 - Number of machines approaching service interval
 - Number of machines in need of firmware update



Quarterly Usage Report PDF (cont.)

- The second page contains two sections:
 - Aggregate Blast Time by Day of the Week
 - Estimated Aggregate Ice Usage by Day of the Week

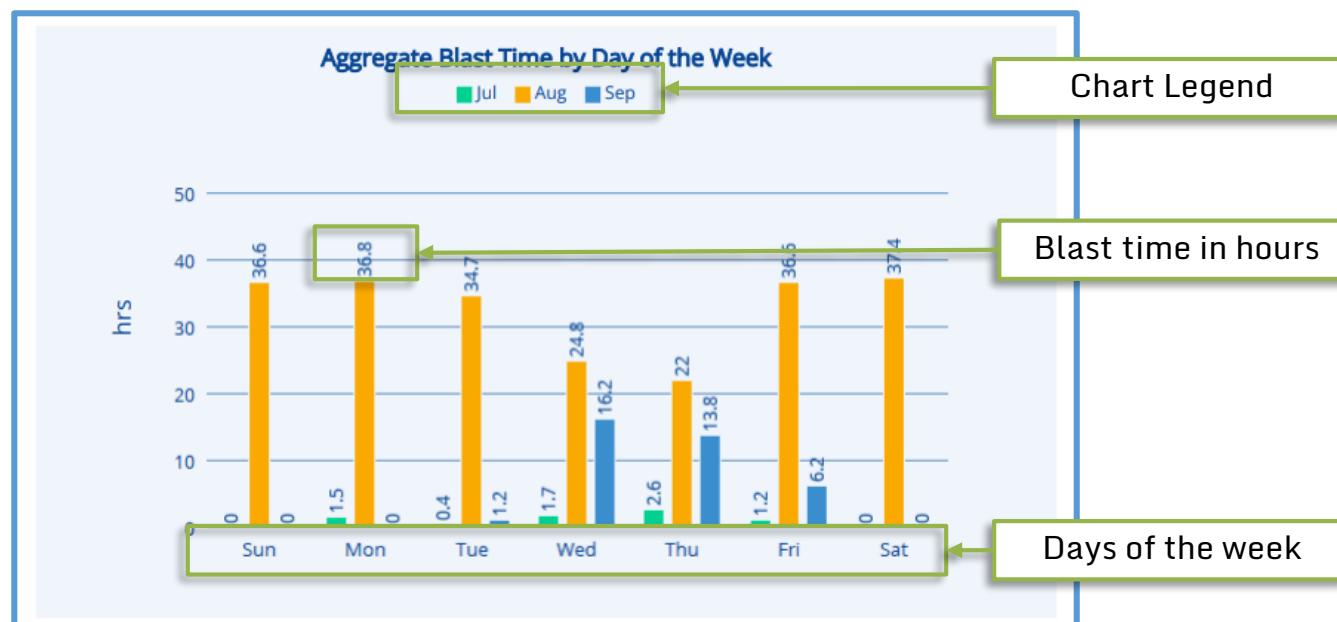
Aggregate Blast
Time by Day of the Week



Estimated
Aggregate Ice
Usage by Day of the Week

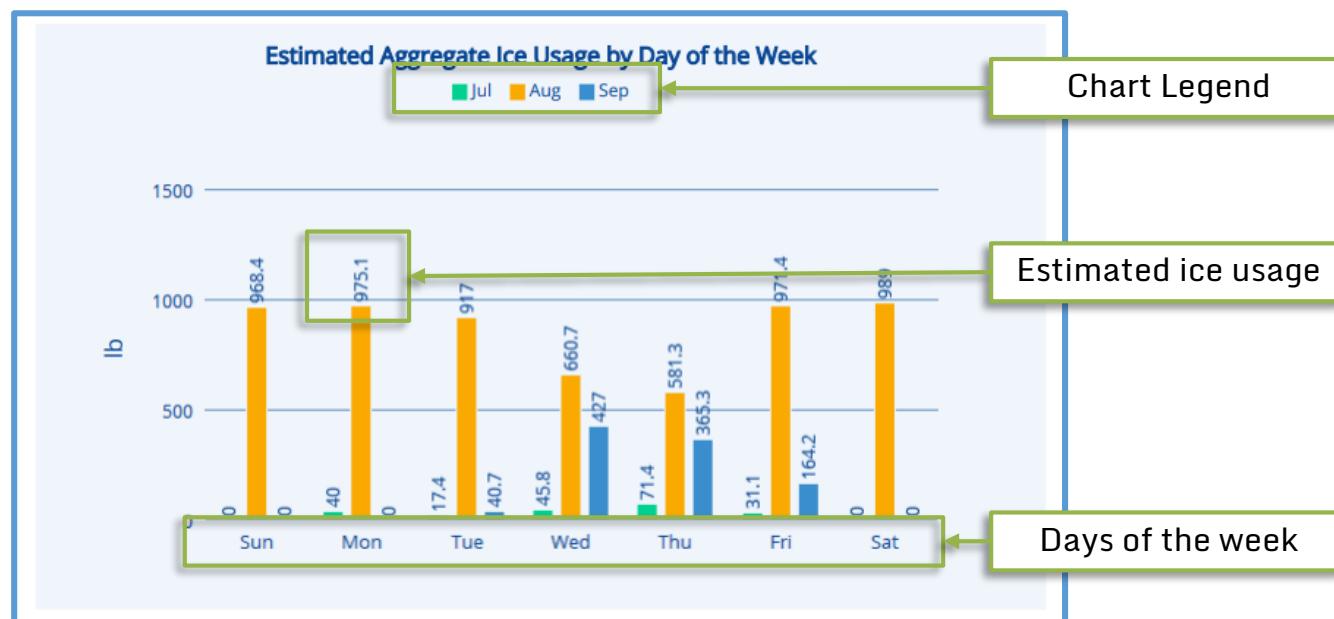
Quarterly Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Chart Legend
 - Looking at the legend will tell you which bar corresponds with each month in the quarter.
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in the month. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the month.



Quarterly Usage Report PDF (cont.)

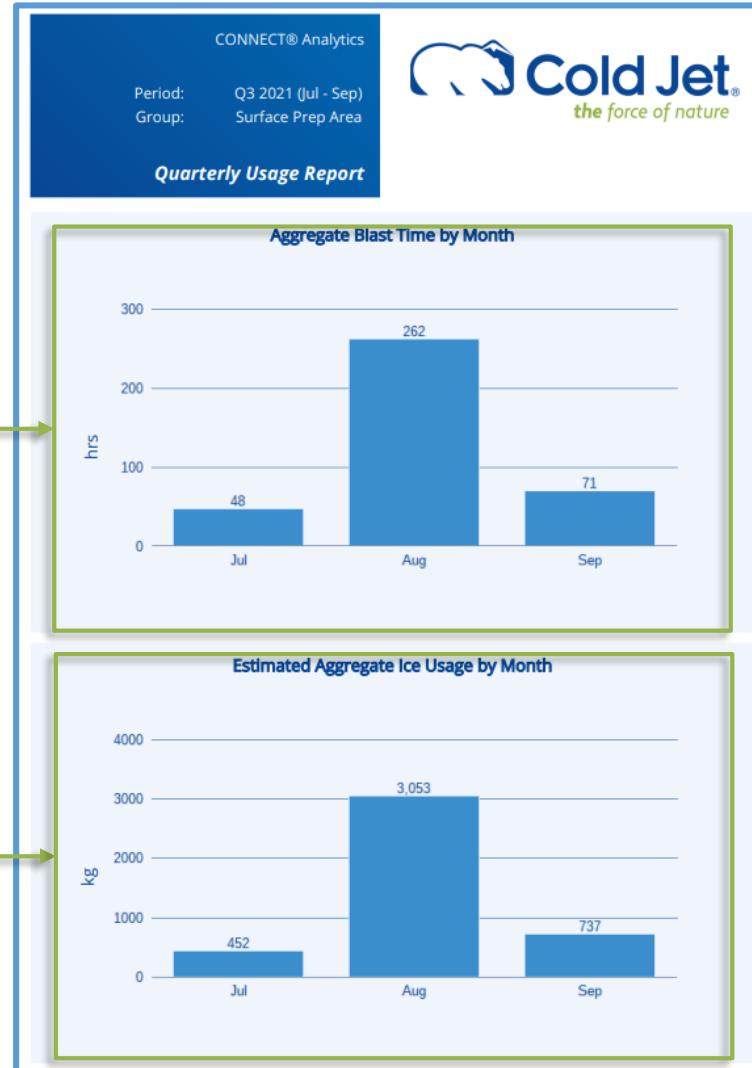
- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Chart Legend
 - Looking at the legend will tell you which bar corresponds with each month in the quarter.
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in the month. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the month.



Quarterly Usage Report PDF (cont.)

- The third page contains two sections:
 - Aggregate Blast Time by Month
 - Estimated Aggregate Ice Usage by Month

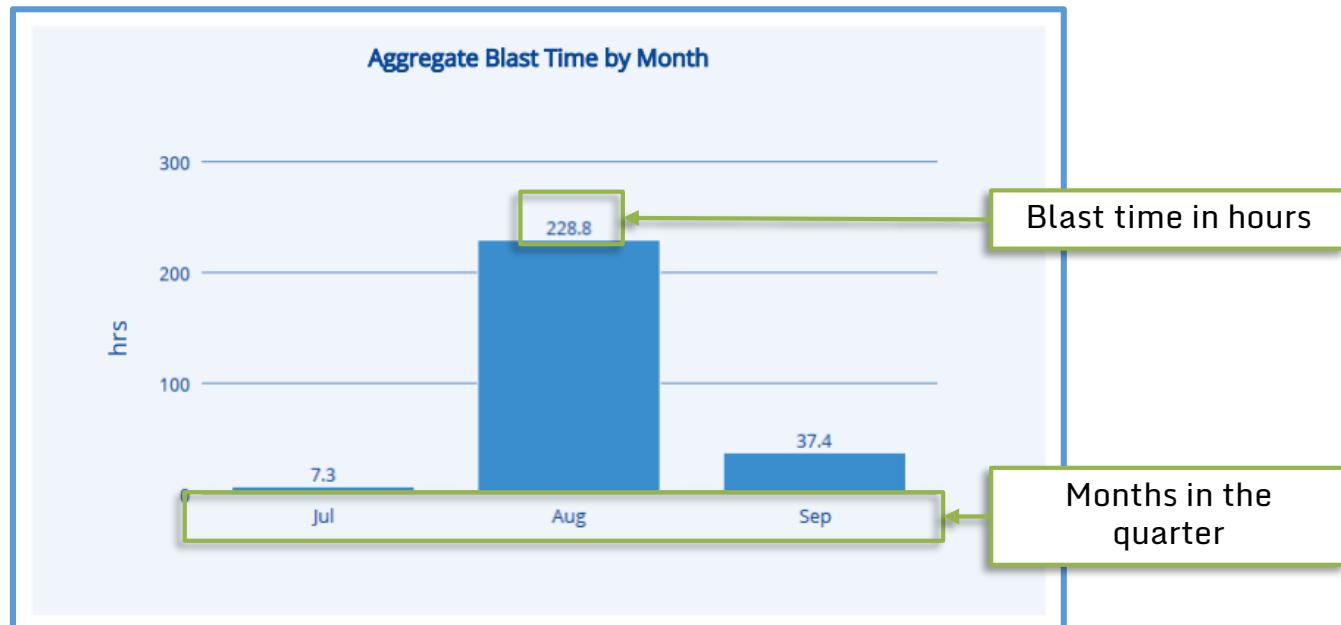
Aggregate Blast
Time by Month



Estimated
Aggregate Ice
Usage by Month

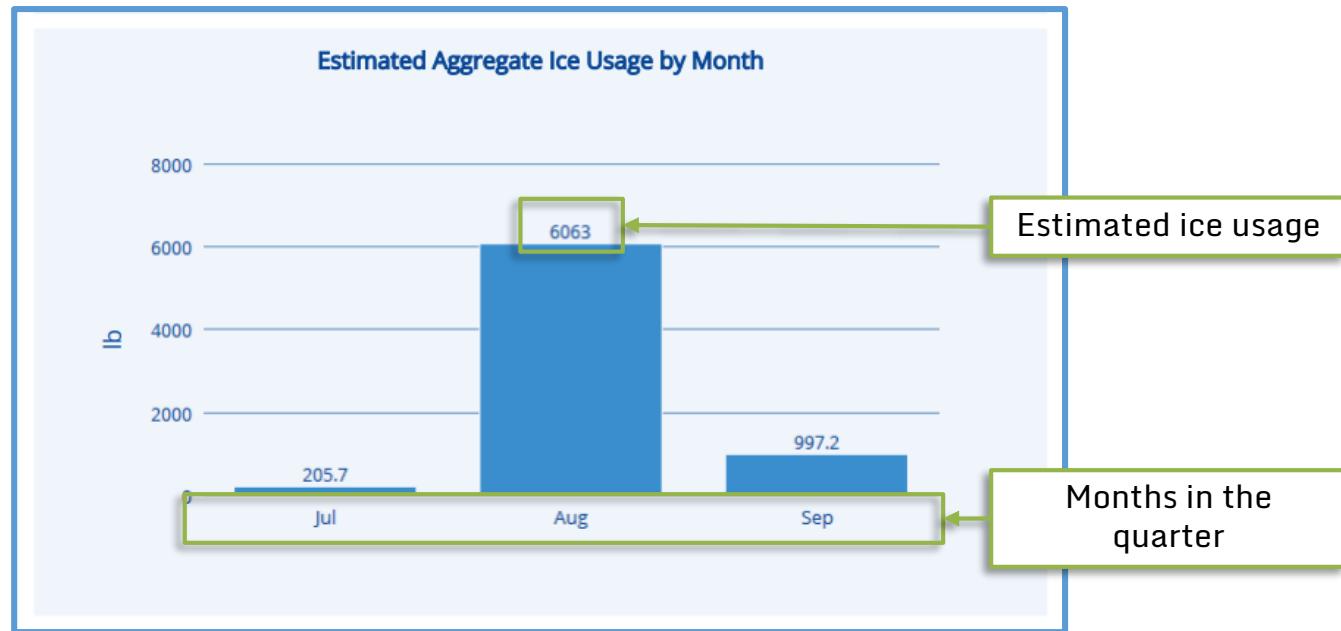
Quarterly Usage Report PDF (cont.)

- The Aggregate Blast Time by Month chart contains:
 - Months in the quarter
 - Total blast time data for each month, in hours



Quarterly Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Month chart contains:
 - Months in the quarter
 - Total estimated ice usage for each month, in lb/kg



Quarterly Usage Report PDF (cont.)

- The fourth and fifth pages of the report contain calendars with blast time by day in hours for each month in the period.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day

July 2021 - Blast Time by Day in Hours						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 --	2 0.34	3 --
4 --	5 --	6 0.56	7 0.92	8 0.47	9 0.10	10 --
11 --	12 1.51	13 --	14 2.16	15 --	16 0.74	17 --
18 --	19 0.13	20 0.13	21 --	22 --	23 --	24 --
25 --	26 --	27 --	28 0.27	29 --	30 --	31 --

Diagram labels and arrows:

- Calendar month and days: Points to the header row (Sun, Mon, Tue, etc.) and the first three days of the month (1, 2, 3).
- Days of the month: Points to the days from 4 to 31.
- Hours of blast time per day: Points to the numerical values in the cells, indicating the hours of blast time for each day.

Quarterly Usage Report PDF (cont.)

- The final pages contain four sections:
 - Usage Overview
 - Service Overview
 - Firmware Overview
 - Footnotes

CONNECT® Analytics										
Period:	Q3 2021 (Jul - Sep)									
Group:	Surface Prep Area									
Quarterly Usage Report										
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Usage Overview										
Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected In Period?					
3+101731	148.7	554.3	997.32	0.15	YES					
3+101981	295.7	297.1	3,244.77	0.20	YES					
3+102517	0.0	2.0	0.00	0.00	NO					
Service Overview										
Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed						
3+101731	500 hrs / 12 mos	500 / 2021-12-15	1700.4 / 2022-07-19	YES						
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2022-07-19	YES						
3+102517	500 hrs / 12 mos	500 / 2023-03-25	2.0 / 2022-07-19	NO						
Firmware Overview										
Serial # *	Model	Your Firmware Ver	Current Firmware Ver							
3+101731	Aero2 PCS 60	8.11	8.11							
3+101981	Aero2 PCS 60	8.11	8.11							
3+102517	Aero2 PCS 60	8.40	8.11							
*You can determine which model your machine is by looking at the serial number. A serial beginning with 1+ indicates an Aero2 PLT 60 machine. A serial beginning with 3+ indicates an Aero2 PCS 60 machine. A serial beginning with 5+ indicates an i3 MicroClean 2 machine.										

Usage Overview

Service Overview

Firmware Overview

Footnotes



Quarterly Usage Report PDF (cont.)

- **Usage Overview** provides insight into the usage for each machine in the group during the selected timeframe.
- **Service Overview** shows the current service status of each machine in the group.
- **Firmware Overview** tells us the firmware status of each machine in the group, indicated by color; red firmware versions need an upgrade, green are up to date.

Usage Overview					
Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (lb)	Avg Feed Rate (lb/min)	Connected in Period?
3+101924	0.0	0.0	0.0	0.0	NO
3+101981	295.7	297.1	7,827.52	0.44	YES
3+102083	3.4	4.0	114.10	0.56	YES

Service Overview				
Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101924	500 hrs / 12 mos	500 / 2022-04-07	27.0 / 2021-11-22	NO
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2021-11-22	NO
3+102083	500 hrs / 12 mos	500 / 2022-06-30	10.3 / 2021-11-22	NO

Firmware Overview			
Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101924	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11
3+102083	Aero2 PCS 60	8.11	8.11



Quarterly Usage Report PDF (cont.)

- The **footnotes** at the end of the report describe how to determine which model each machine in the group is.

* You can determine which model your machine is by looking at the serial number.

A serial beginning with **1+** indicates an **Aero2 PLT 60** machine.

A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.

A serial beginning with **5+** indicates an **i3 MicroClean 2** machine.

Quarter Over Quarter Usage Report PDF

- Selecting “View Report (PDF)” produces the following report:



Quarter Over Quarter Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

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CONNECT® Analytics

Period: Q3 2021 (Jul - Sep)
vs. Q4 2021 (Oct - Dec)
SN: Surface Prep Area

Quarter Over Quarter Usage Report

Please review the Quarter Over Quarter status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

	Q3 2021 (Jul - Sep)	Q4 2021 (Oct - Dec)
Total Run Time	444.4 hrs	247.3 hrs
Estimated Ice Usage	4,242 kg	1,558 kg
Avg Feed Rate	0.19 kg/min	0.15 kg/min
Avg Blast Time	6.9 minutes	26.4 minutes
# Trigger Pulls	3,311	393

Most Used Month

	Q3 2021 (Jul - Sep)	Q4 2021 (Oct - Dec)
Month	August, 2021	December, 2021
Total Run Time this Month	262.1 hrs	75.4 hrs
Estimated Ice Usage this Month	3,052.8 kg	678.4 kg



Quarter Over Quarter Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Quarter Over Quarter Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate Usage Overview
 - Most Used Month

Aggregate Usage Overview		
	First Period Data	Second Period Data
	Q3 2021 (Jul - Sep)	Q4 2021 (Oct - Dec)
Total Run Time	444.4 hrs	247.3 hrs
Estimated Ice Usage	4,242 kg	1,558 kg
Avg Feed Rate	0.19 kg/min	0.15 kg/min
Avg Blast Time	6.9 minutes	26.4 minutes
# Trigger Pulls	3,311	393
Most Used Month		
	Q3 2021 (Jul - Sep)	Q4 2021 (Oct - Dec)
Month	August, 2021	December, 2021
Total Run Time this Month	262.1 hrs	75.4 hrs
Estimated Ice Usage this Month	3,052.8 kg	678.4 kg

Estimated ice usage in period

Average blast time

Amount of hours of usage

Average feed rate used

Number of trigger pulls

Quarter Over Quarter Usage Report PDF (cont.)

- The Most Used Month section contains:
 - The month that the selected group was used the most, during the selected periods
 - The total run time during the most used month
 - The estimated total ice usage during the most used month

Most Used Month			First Period Data	Second Period Data
Month	Q3 2021 (Jul - Sep)	Q4 2021 (Oct - Dec)		
Total Run Time this Month	August, 2021	262.1 hrs	December, 2021	75.4 hrs
Estimated Ice Usage this Month		3,052.8 kg		678.4 kg

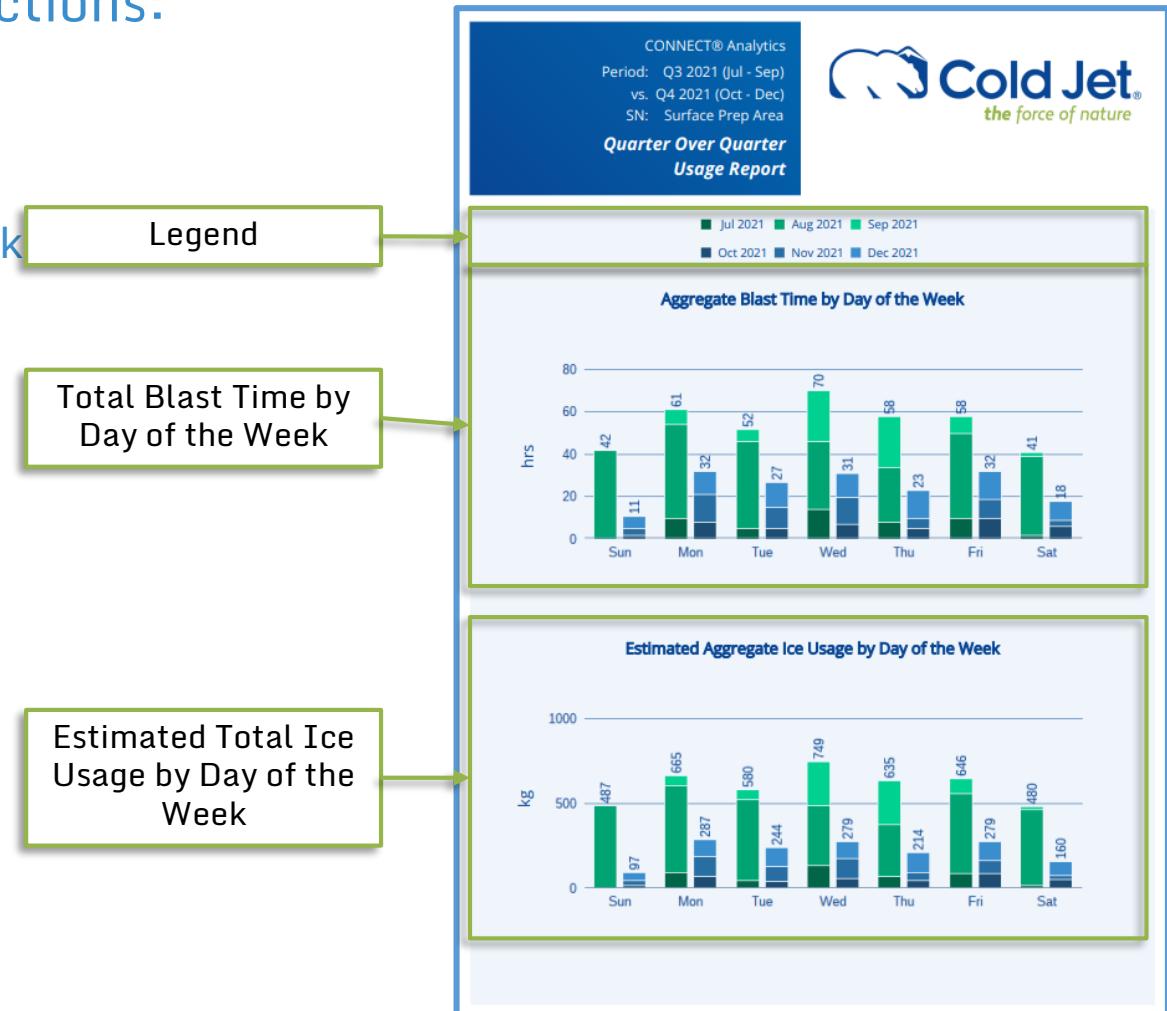
Month the group was used most

Estimated ice usage during the most used month

Total run time during the most used month

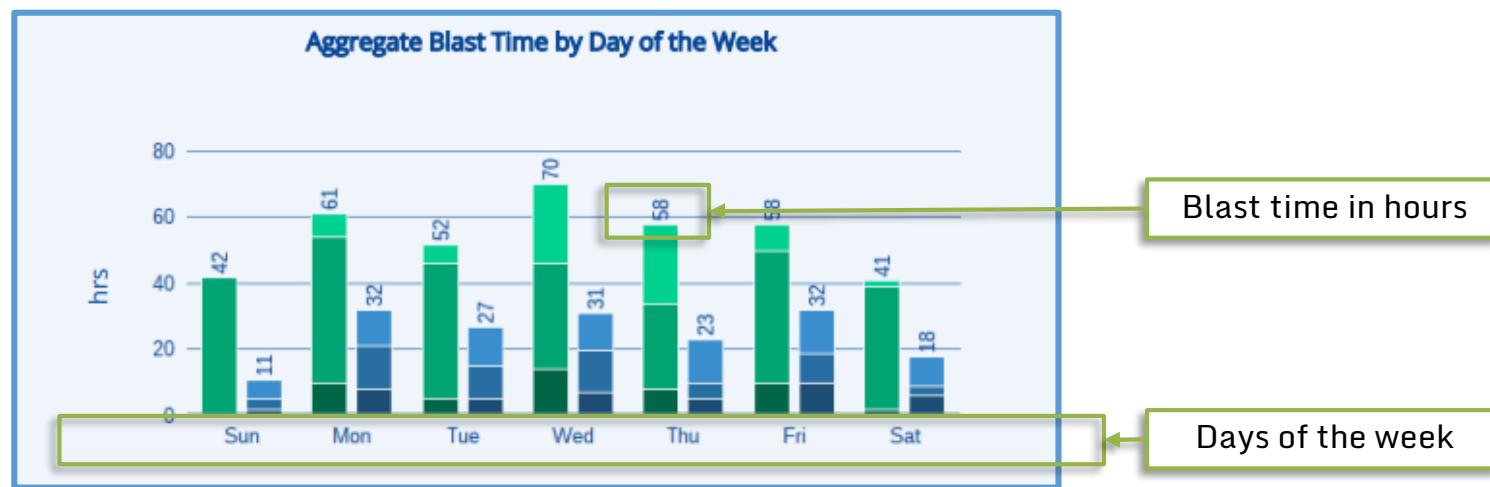
Quarter Over Quarter Usage Report PDF (cont.)

- The second page contains three main sections:
 - Chart legend
 - Total Blast Time by Day of the Week
 - Estimated Total Ice Usage by Day of the Week



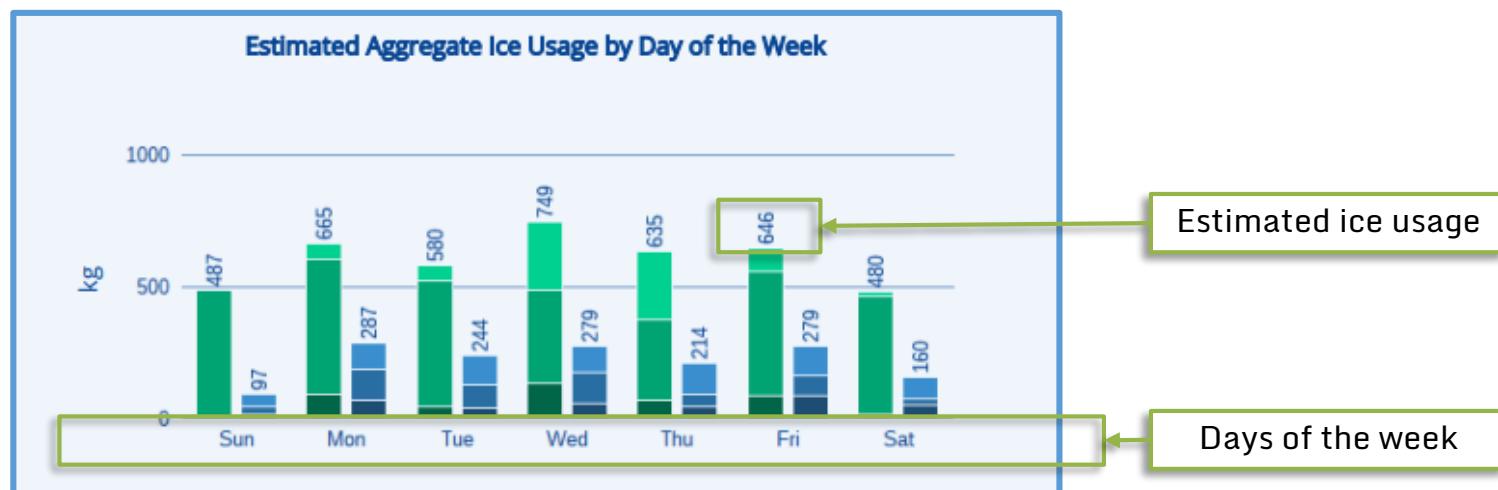
Quarter Over Quarter Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in each month of each quarter. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the month.



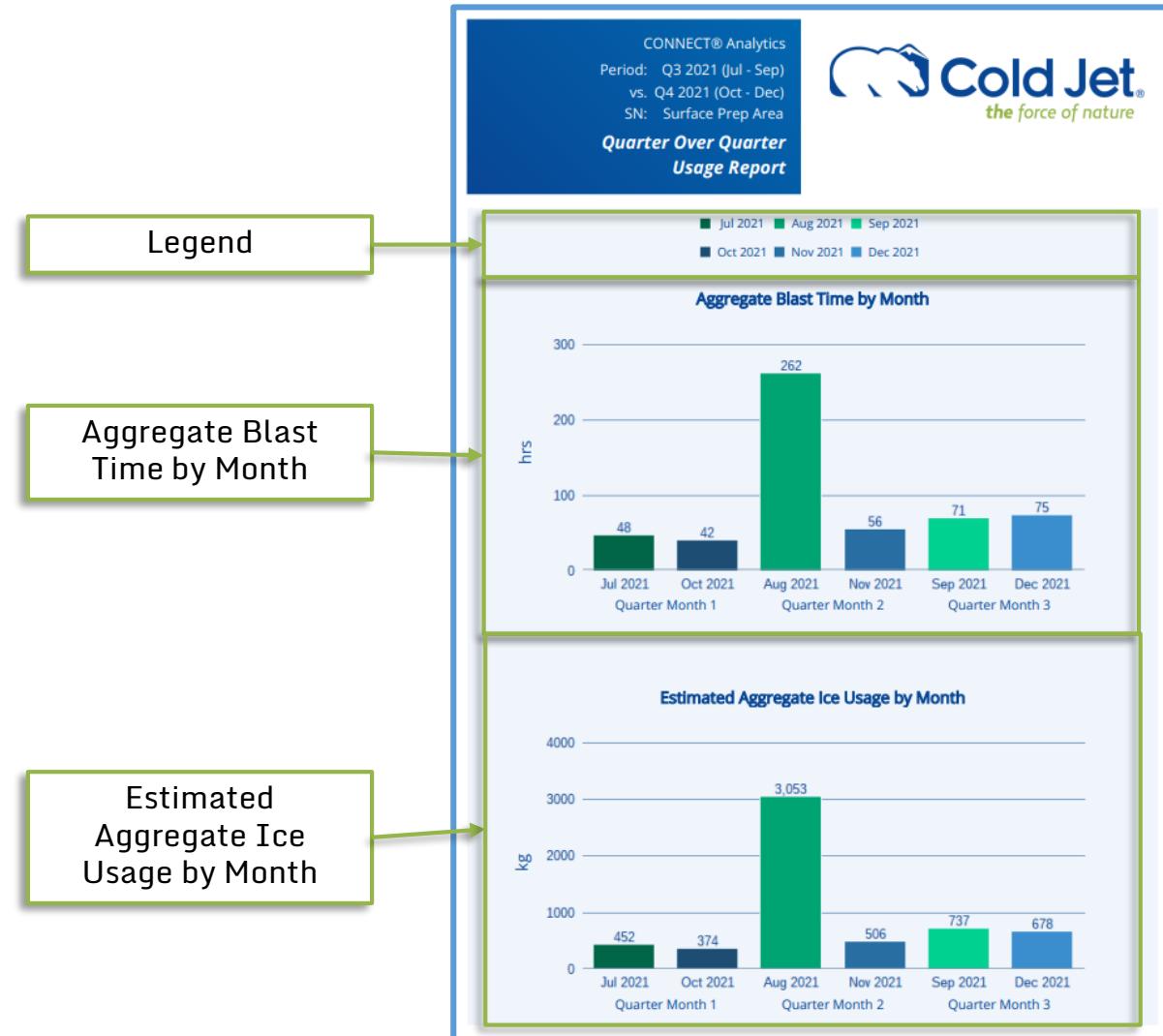
Quarter Over Quarter Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in each month in each quarter. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the month.



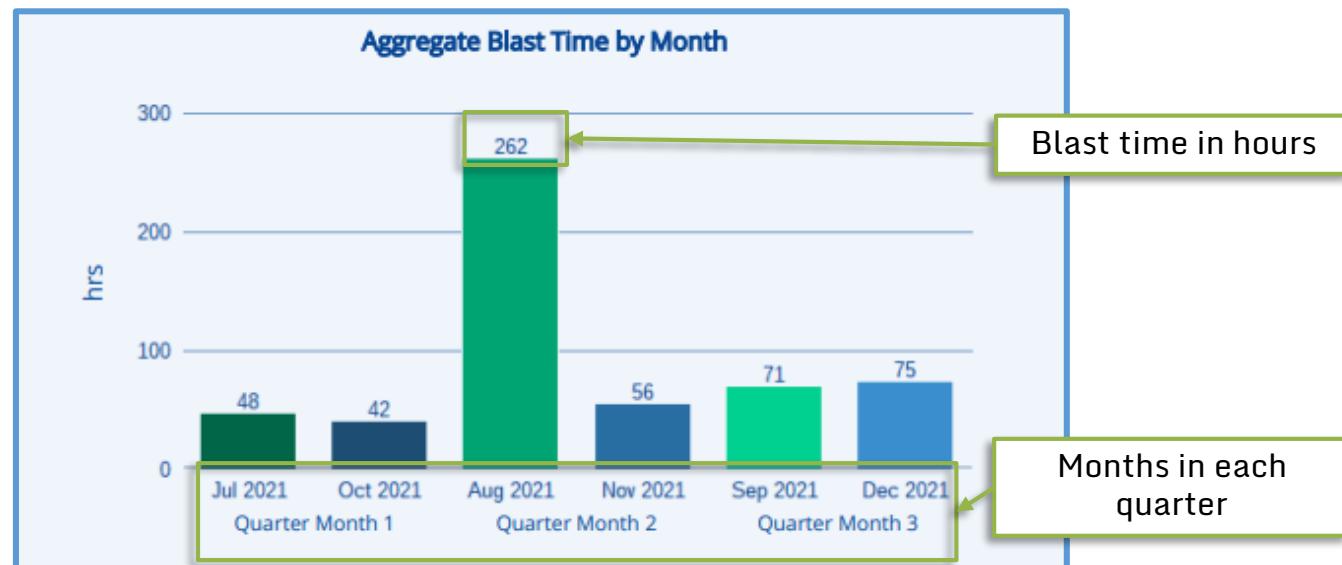
Quarter Over Quarter Usage Report PDF (cont.)

- The third page contains three sections:
 - Chart legend
 - Aggregate Blast Time by Month
 - Estimated Aggregate Ice Usage by Month



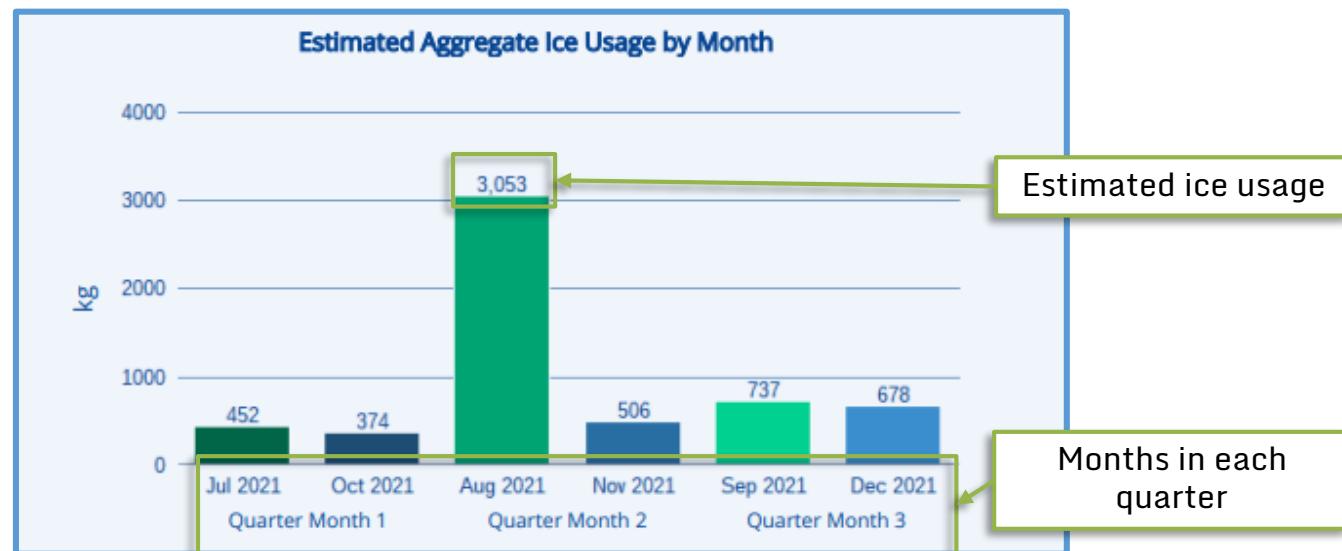
Quarter Over Quarter Usage Report PDF (cont.)

- The Aggregate Blast Time by Month chart contains:
 - Months in each quarter
 - Total blast time data for each month, in hours



Quarter Over Quarter Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Month chart contains:
 - Months in each quarter
 - Total estimated ice usage for each month, in lb/kg



Quarter Over Quarter Usage Report PDF (cont.)

- The final pages of the report contain calendars with blast time by day in hours for each month in each quarter.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day

July 2021 - Blast Time by Day in Hours						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 --	2 0.34	3 --
4 --	5 --	6 0.56	7 0.92	8 0.47	9 0.10	10 --
11 --	12 1.51	13 --	14 2.16	15 --	16 0.74	17 --
18 --	19 0.13	20 0.13	21 --	22 --	23 --	24 --
25 --	26 --	27 --	28 0.27	29 --	30 --	31 --

Diagram labels pointing to the table:

- Calendar month and days: Points to the header row (Sun, Mon, Tue, etc.) and the first three days of the month (1, 2, 3).
- Days of the month: Points to the days from 4 to 31.
- Hours of blast time per day: Points to the numerical values in the cells, indicating the hours of blast time for each day.

Annual Usage Report PDF - Fleet

- Selecting “View Report (PDF)” produces the following report:

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CONNECT® Analytics
Period: 2021
Group: Surface Prep Area
Annual Usage Report

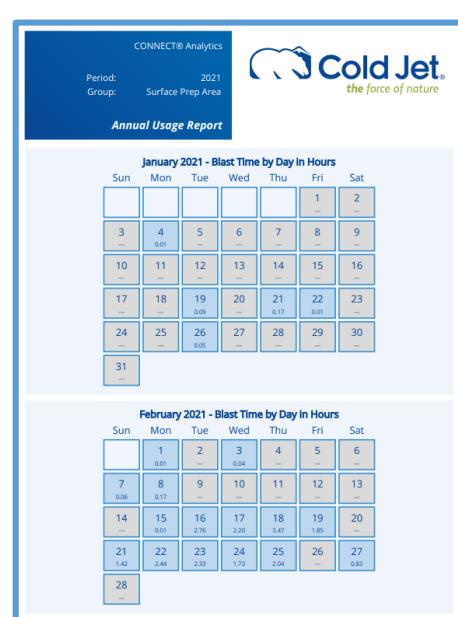
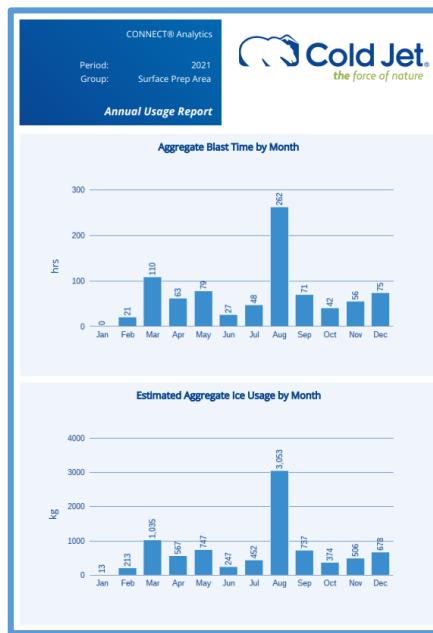
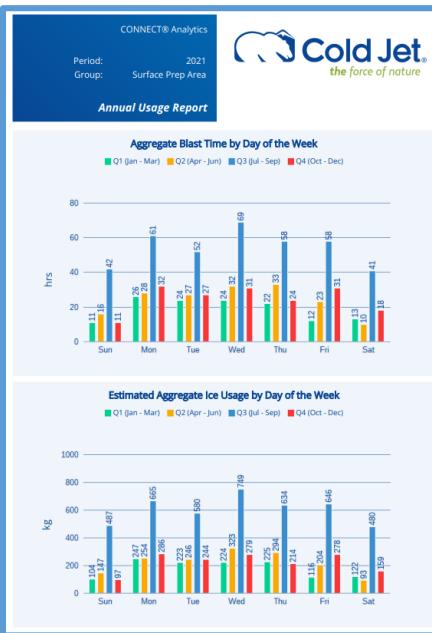
Please review the annual status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

Total Run Time	1098.1 hrs
Estimated Ice Usage	8,622 kg
Avg Feed Rate	0.17 kg/min
Avg Blast Time	11.0 minutes
# Trigger Pulls	4,659

Smart Detect

Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3



CONNECT® Analytics
Period: 2021
Group: Surface Prep Area
Annual Usage Report

Usage Overview

Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected in Period?
3+101731	801.0	801.6	5,328.10	0.15	YES
3+101981	297.1	297.1	3,294.37	0.20	YES
3+102517	0.0	2.0	0.00	0.00	NO

Service Overview

Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101731	500 hrs / 12 mos	500 / 2021-12-15	1700.4 / 2022-07-19	YES
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2022-07-19	YES
3+102517	500 hrs / 12 mos	500 / 2023-03-25	2.0 / 2022-07-19	NO

Firmware Overview

Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101731	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11
3+102517	Aero2 PCS 60	8.40	8.11

*You can determine which model your machine is by looking at the serial number.
A serial beginning with 1+ indicates an Aero2 PLT 60 machine.
A serial beginning with 3+ indicates an Aero2 PCS 60 machine.
A serial beginning with 5+ indicates an MicroClean 2 machine.



Annual Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

Group information

Group data

Aggregate Usage Overview	
Total Run Time	1098.1 hrs
Estimated Ice Usage	8,622 kg
Avg Feed Rate	0.17 kg/min
Avg Blast Time	11.0 minutes
# Trigger Pulls	4,659

Smart Detect	
Machines Connected in Period	2 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	0 / 3
Machines in Need of Firmware Update	0 / 3

Annual Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Annual Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate usage overview
 - Smart Detect

Aggregate Usage Overview	
Total Run Time	1125.1 hrs
Estimated Ice Usage	19,532 lb
Avg Feed Rate	0.37 lb/min
Avg Blast Time	10.7 minutes
# Trigger Pulls	4,908
Smart Detect	
Machines Connected in Period	3 / 3
Machines in Need of Service	2 / 3
Machines Approaching Service Interval	1 / 3
Machines in Need of Firmware Update	0 / 3

Estimated ice usage in period

Average blast time

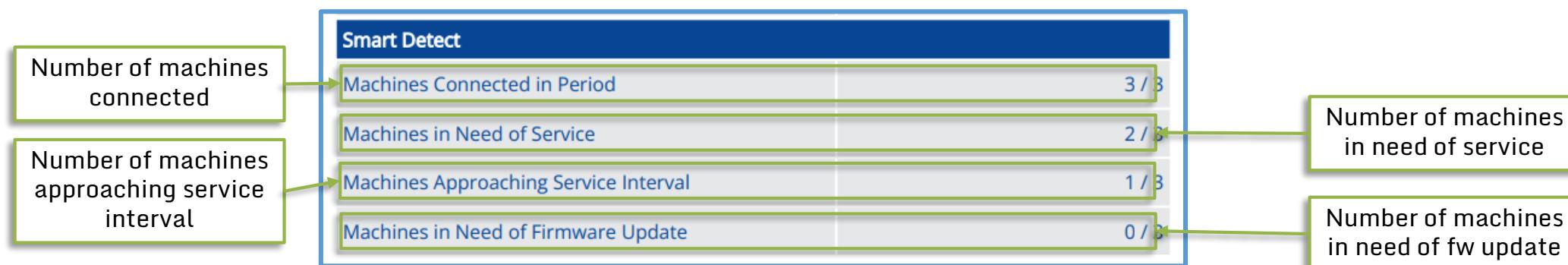
Amount of hours of machine usage

Average feed rate used

Number of trigger pulls

Annual Usage Report PDF (cont.)

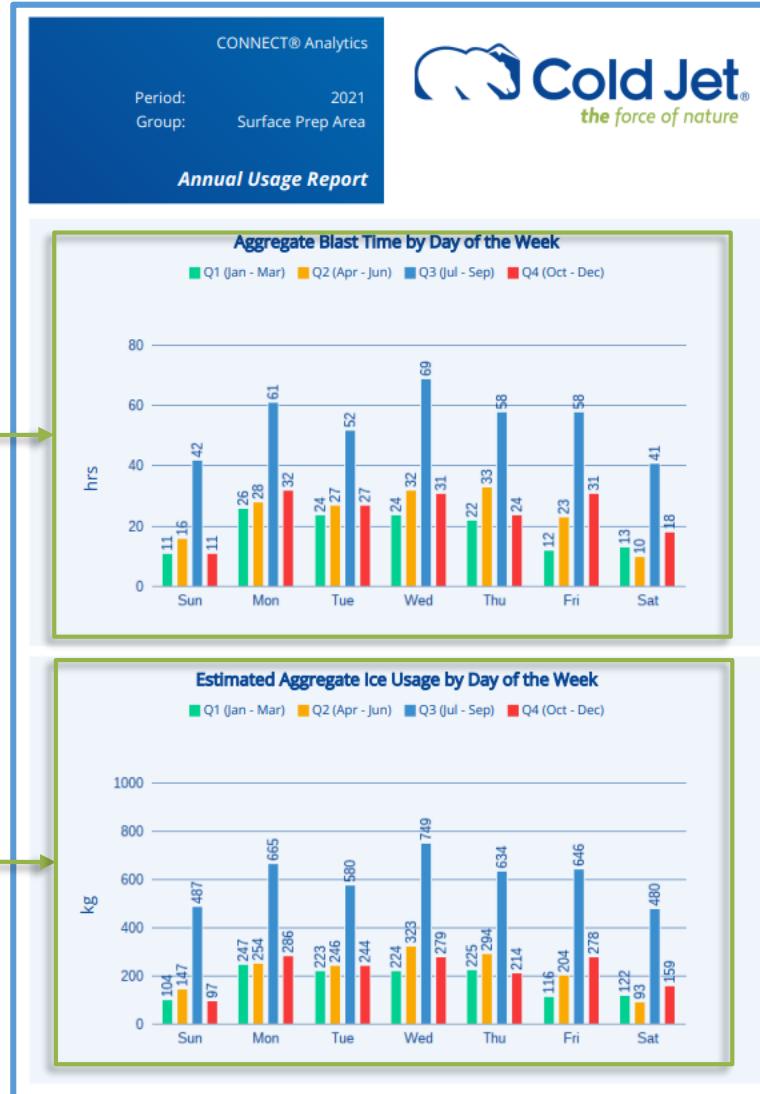
- The Smart Detect section contains:
 - Number of machines connected in the period
 - Number of machines in need of service
 - Number of machines approaching service interval
 - Number of machines in need of firmware update



Annual Usage Report PDF (cont.)

- The second page contains two sections:
 - Aggregate Blast Time by Day of the Week
 - Estimated Aggregate Ice Usage by Day of the Week

Aggregate Blast
Time by Day of the Week

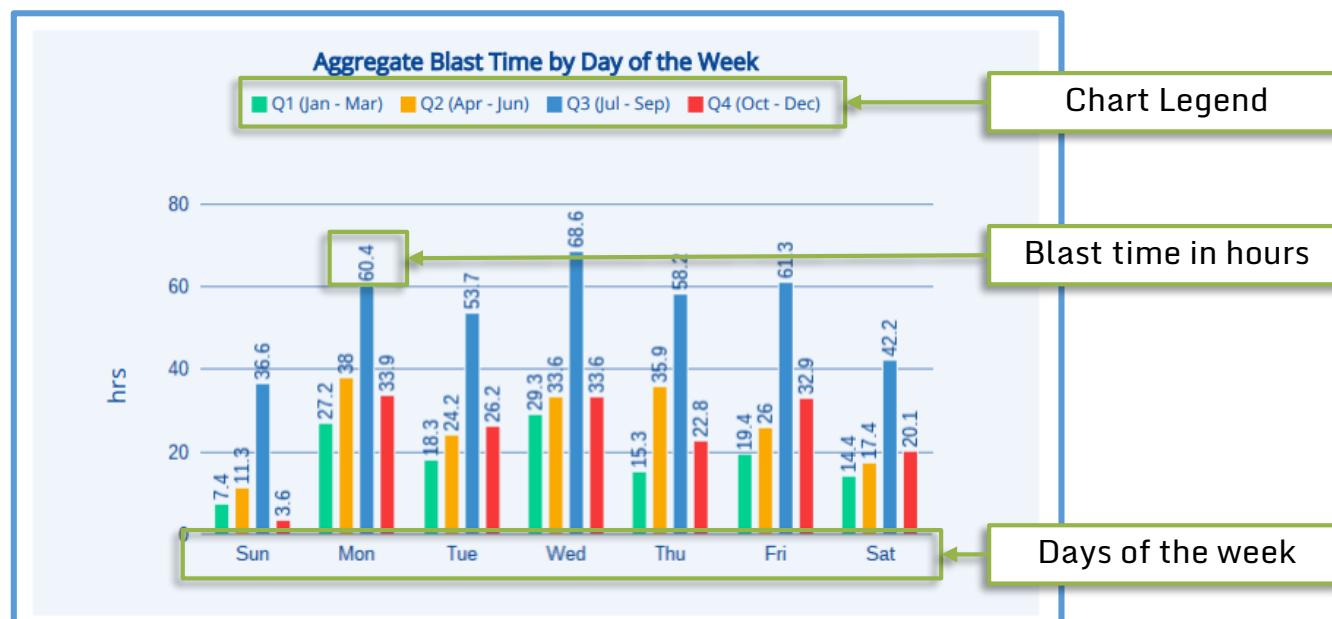


Estimated
Aggregate Ice
Usage by Day of the Week



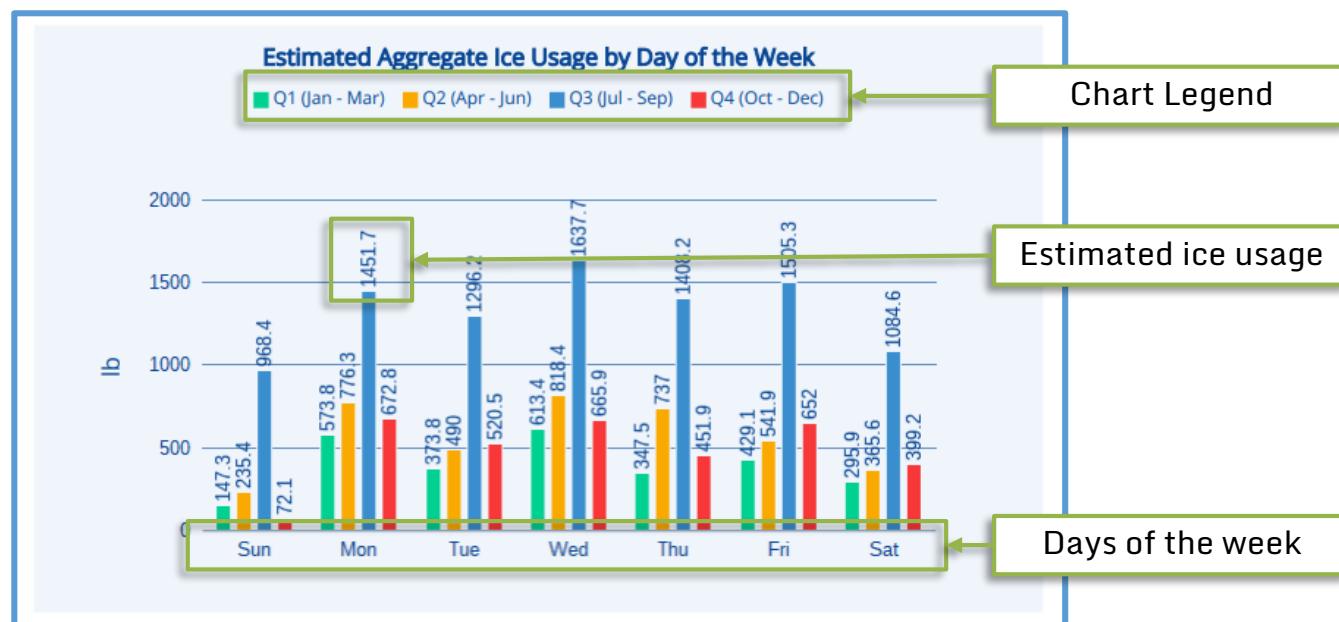
Annual Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Chart Legend
 - Looking at the legend will tell you which bar corresponds with each quarter in the year.
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in the quarter(s). For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the quarter(s).



Annual Usage Report PDF (cont.)

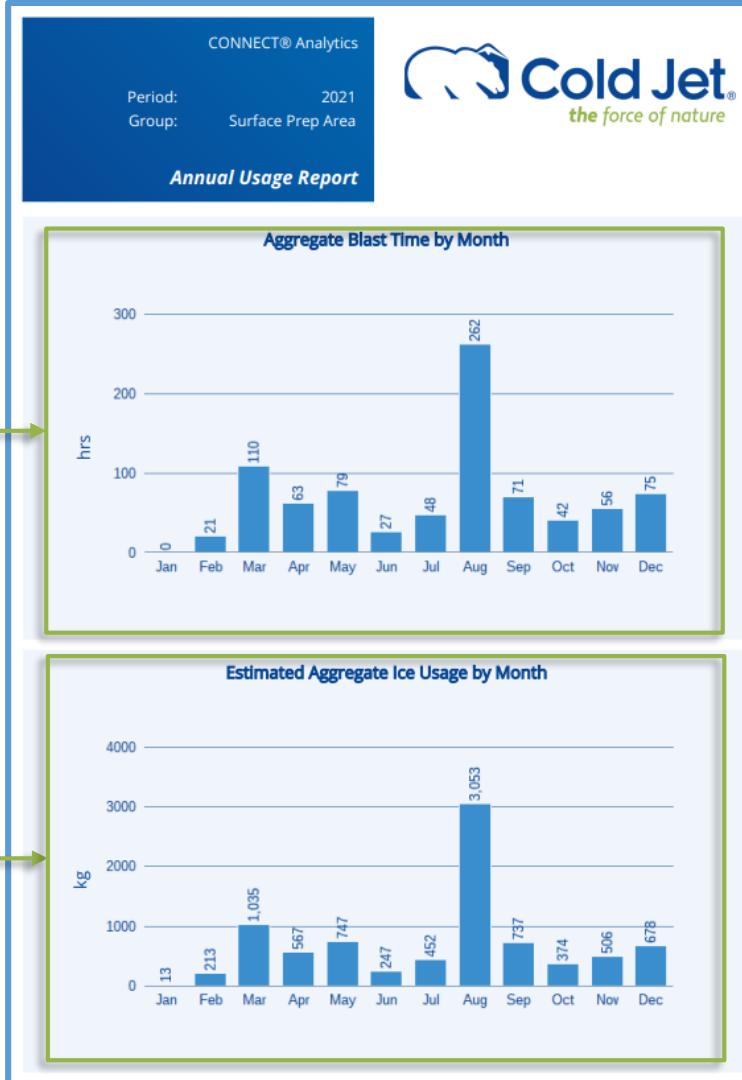
- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Chart Legend
 - Looking at the legend will tell you which bar corresponds with each quarter in the year.
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in the quarter(s). Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the quarter(s).



Annual Usage Report PDF (cont.)

- The third page contains two sections:
 - Aggregate Blast Time by Month
 - Estimated Aggregate Ice Usage by Month

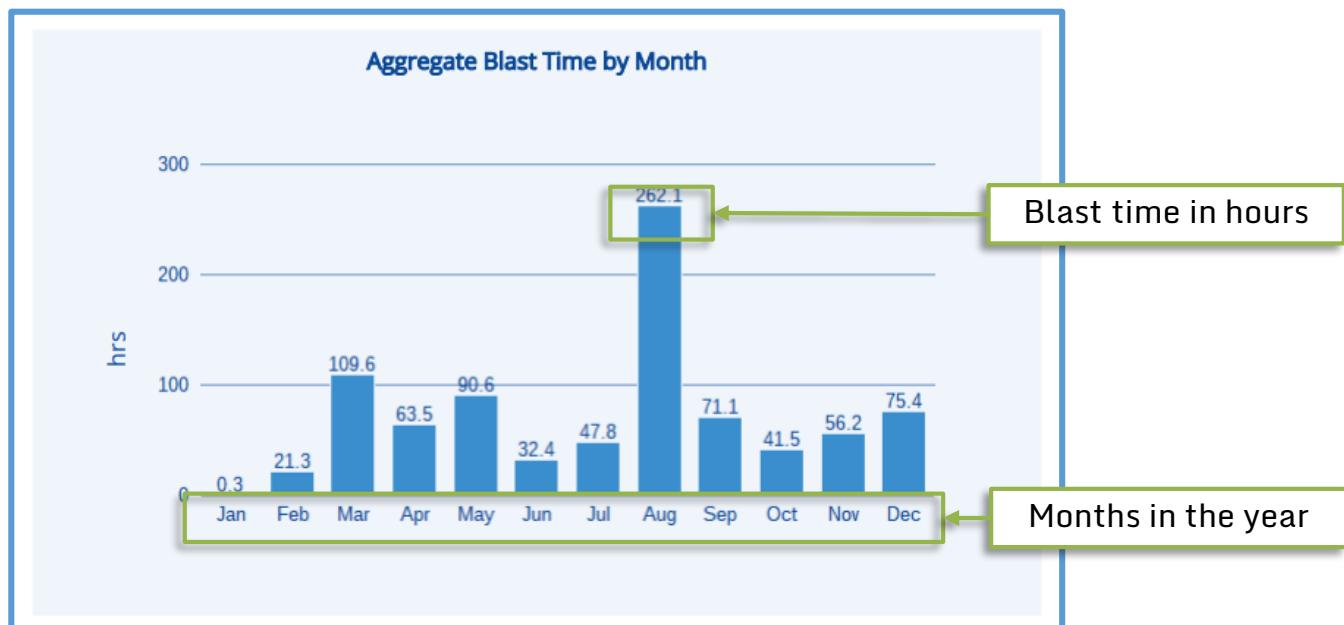
Aggregate Blast
Time by Month



Estimated
Aggregate Ice
Usage by Month

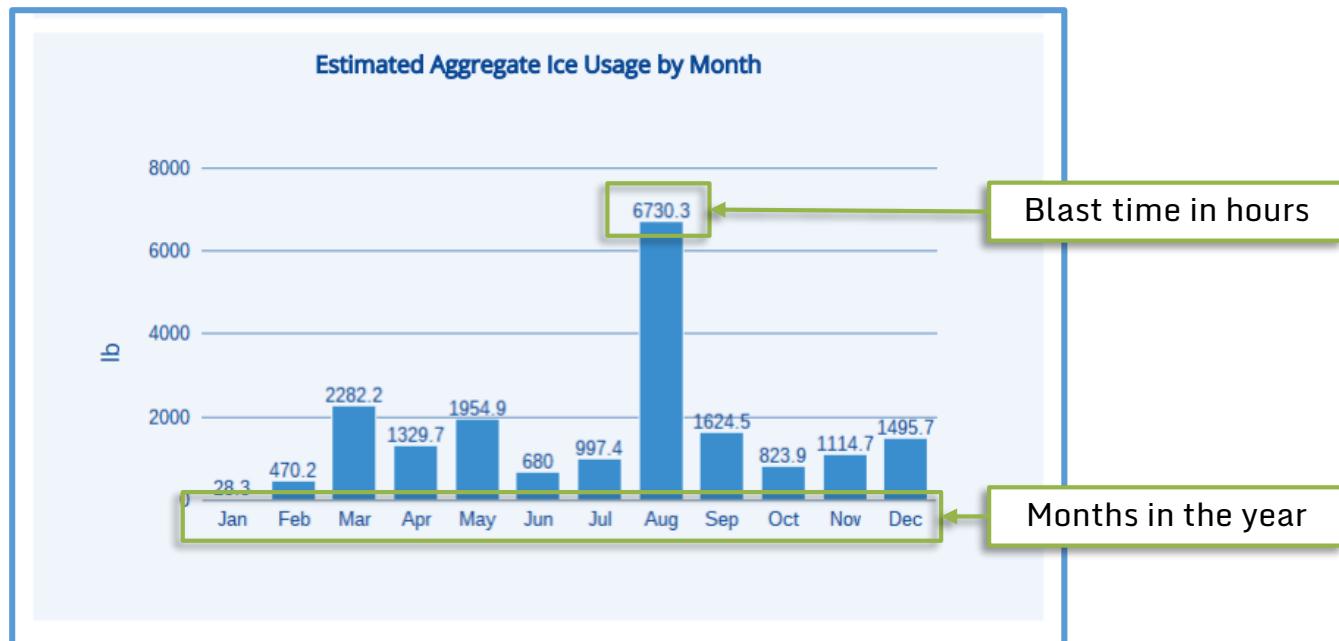
Annual Usage Report PDF (cont.)

- The Aggregate Blast Time by Month chart contains:
 - Months in the year
 - Total blast time data for each month, in hours



Annual Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Month chart contains:
 - Months in the year
 - Total estimated ice usage for each month, in lb/kg



Annual Usage Report PDF (cont.)

- The fourth through ninth pages of the report contain calendars with blast time by day in hours for each month in the period.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day

July 2021 - Blast Time by Day in Hours						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1 --	2 0.34	3 --
4 --	5 --	6 0.56	7 0.92	8 0.47	9 0.10	10 --
11 --	12 1.51	13 --	14 2.16	15 --	16 0.74	17 --
18 --	19 0.13	20 0.13	21 --	22 --	23 --	24 --
25 --	26 --	27 --	28 0.27	29 --	30 --	31 --

Diagram labels and arrows:

- Calendar month and days: Points to the header row (Sun-Sat) and the first column (empty cells).
- Days of the month: Points to the numerical values in the second column.
- Hours of blast time per day: Points to the numerical values in the third column.

Annual Usage Report PDF (cont.)

- The final pages contain four sections:
 - Usage Overview
 - Service Overview
 - Firmware Overview
 - Footnotes

The screenshot shows the 'Annual Usage Report' for the period of 2021, Grouped by 'Surface Prep Area'. The report includes four main sections:

- Usage Overview:** Displays usage statistics for three machines. The table has columns: Serial #*, Run Time (hrs), Hour Meter, Est Ice Usage (kg), Avg Feed Rate (kg/min), and Connected in Period?.
- Service Overview:** Displays service intervals and current status for three machines. The table has columns: Serial #*, Recommended Service Interval, Next Service Hours / Next Service Date, Current Status, and Service Needed.
- Firmware Overview:** Displays firmware versions for three machines. The table has columns: Serial #*, Model, Your Firmware Ver, and Current Firmware Ver.
- Footnotes:** Provides information on how to determine machine model based on serial number.

*You can determine which model your machine is by looking at the serial number.
A serial beginning with 1+ indicates an Aero2 PLT 60 machine.
A serial beginning with 3+ indicates an Aero2 PCS 60 machine.
A serial beginning with 5+ indicates an i3 MicroClean 2 machine.

Usage Overview

Service Overview

Firmware Overview

Footnotes



Annual Usage Report PDF (cont.)

- **Usage Overview** provides insight into the usage for each machine in the group during the selected timeframe.
- **Service Overview** shows the current service status of each machine in the group.
- **Firmware Overview** tells us the firmware status of each machine in the group, indicated by color; red firmware versions need an upgrade, green are up to date.

Usage Overview					
Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (lb)	Avg Feed Rate (lb/min)	Connected in Period?
3+101731	801.0	801.6	11,746.44	0.34	YES
3+101924	27.0	27.0	522.50	0.51	YES
3+101981	297.1	297.1	7,262.83	0.45	YES

Service Overview				
Serial # *	Recommended Service Interval	Next Service Hours / Next Service Date	Current Status	Service Needed
3+101731	500 hrs / 12 mos	500 / 2021-12-15	1,312.1 / 2022-04-18	YES
3+101924	500 hrs / 12 mos	500 / 2022-04-07	27.0 / 2022-04-18	YES
3+101981	500 hrs / 12 mos	500 / 2022-05-07	297.1 / 2022-04-18	NO

Firmware Overview			
Serial # *	Model	Your Firmware Ver	Current Firmware Ver
3+101731	Aero2 PCS 60	8.11	8.11
3+101924	Aero2 PCS 60	8.11	8.11
3+101981	Aero2 PCS 60	8.11	8.11

Annual Usage Report PDF (cont.)

- The **footnotes** at the end of the report describe how to determine which model each machine in the group is.

* You can determine which model your machine is by looking at the serial number.

A serial beginning with **1+** indicates an **Aero2 PLT 60** machine.

A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.

A serial beginning with **5+** indicates an **i3 MicroClean 2** machine.

Year Over Year Usage Report PDF

- Selecting “View Report (PDF)” produces the following report:

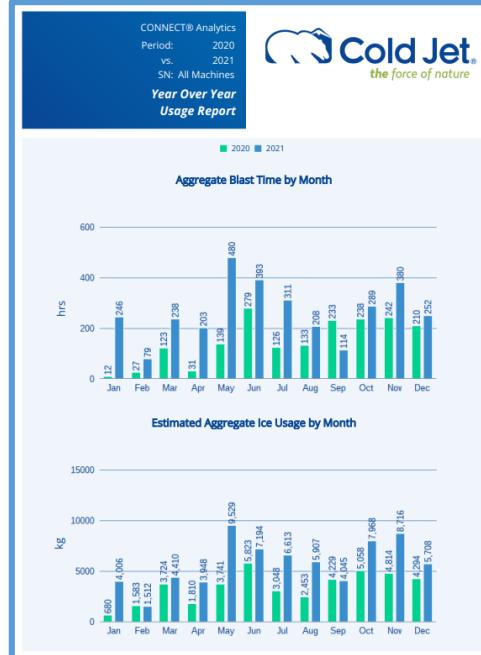
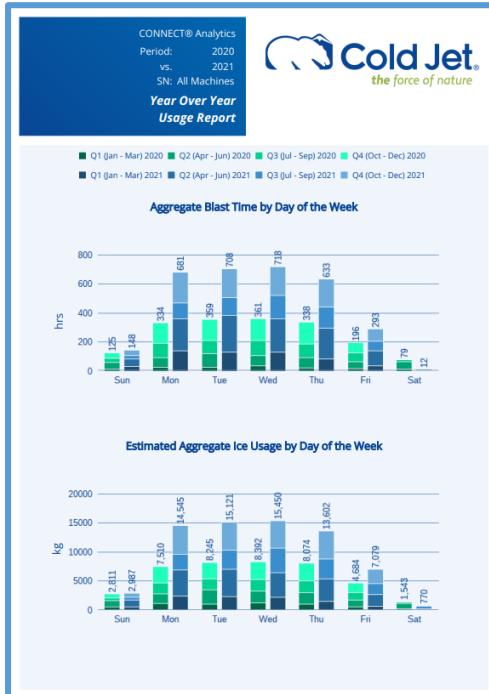
 **Cold Jet**
the force of nature

CONNECT® Analytics
Period: 2020 vs. 2021
SN: All Machines

Year Over Year Usage Report

Please review the Year Over Year status report for your fleet group **All Machines**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

	2020	2021
Total Run Time	698.9 hrs	2494.2 hrs
Estimated Ice Usage	41,259 kg	69,557 kg
Avg Feed Rate	0.38 kg/min	0.36 kg/min
Avg Blast Time	40 seconds	34 seconds
# Trigger Pulls	163,251	338,534
Most Used Month	2020	2021
Month	June, 2020	May, 2021
Total Run Time this Month	278.9 hrs	480.1 hrs
Estimated Ice Usage this Month	5,823.4 kg	9,529.4 kg



Year Over Year Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

The screenshot shows a PDF report titled "Year Over Year Usage Report" from "Cold Jet the force of nature". The report features a header with the company logo and a photograph of three mobile cold storage units. The main content includes a summary section with a message to review the status report for "All Machines" and contact customer service. Below this are two tables: "Aggregate Usage Overview" comparing 2020 and 2021 statistics, and "Most Used Month" comparing June 2020 and May 2021.

Group information:

Please review the Year Over Year status report for your fleet group **All Machines**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

	2020	2021
Total Run Time	698.9 hrs	2494.2 hrs
Estimated Ice Usage	41,259 kg	69,557 kg
Avg Feed Rate	0.38 kg/min	0.36 kg/min
Avg Blast Time	40 seconds	34 seconds
# Trigger Pulls	163,251	338,534

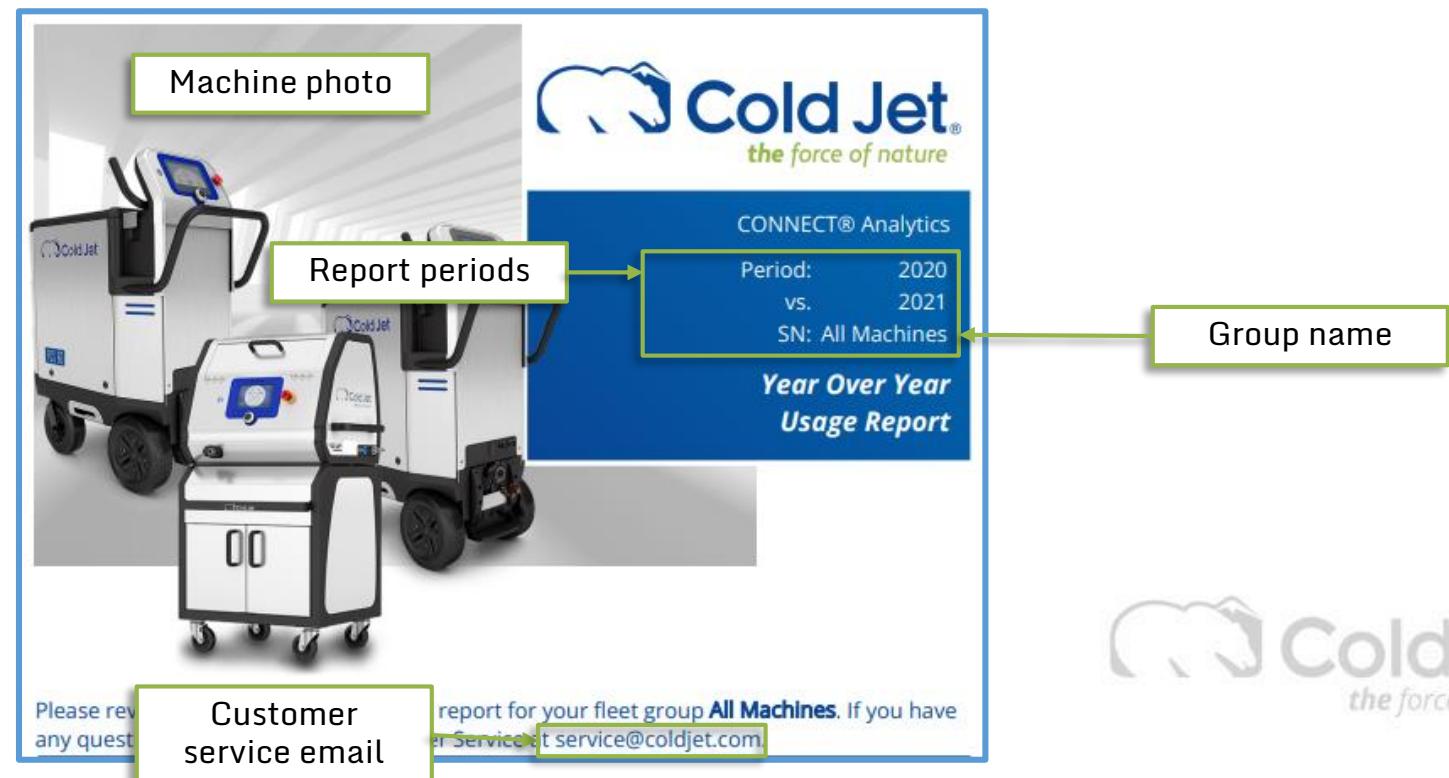
	2020	2021
Month	June, 2020	May, 2021
Total Run Time this Month	278.9 hrs	480.1 hrs
Estimated Ice Usage this Month	5,823.4 kg	9,529.4 kg

Group data:



Year Over Year Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Year Over Year Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate Usage Overview
 - Most Used Month

Aggregate Usage Overview		
	2020	2021
Total Run Time	698.9 hrs	2494.2 hrs
Estimated Ice Usage	41,259 kg	69,557 kg
Avg Feed Rate	0.38 kg/min	0.36 kg/min
Avg Blast Time	40 seconds	34 seconds
# Trigger Pulls	163,251	338,534
Most Used Month		
	2020	2021
Month	June, 2020	May, 2021
Total Run Time this Month	278.9 hrs	480.1 hrs
Estimated Ice Usage this Month	5,823.4 kg	9,529.4 kg

Estimated ice usage in period

Average blast time

First Period Data

Second Period Data

Amount of hours of usage

Average feed rate used

Number of trigger pulls

Year Over Year Usage Report PDF (cont.)

- The Most Used Month section contains:
 - The month that the selected group was used the most, during the selected periods
 - The total run time during the most used month
 - The estimated total ice usage during the most used month

Most Used Month		
	First Period Data	Second Period Data
Month	2020	2021
Total Run Time this Month	June, 2020 278.9 hrs	May, 2021 480.1 hrs
Estimated Ice Usage this Month	5,823.4 kg	9,529.4 kg

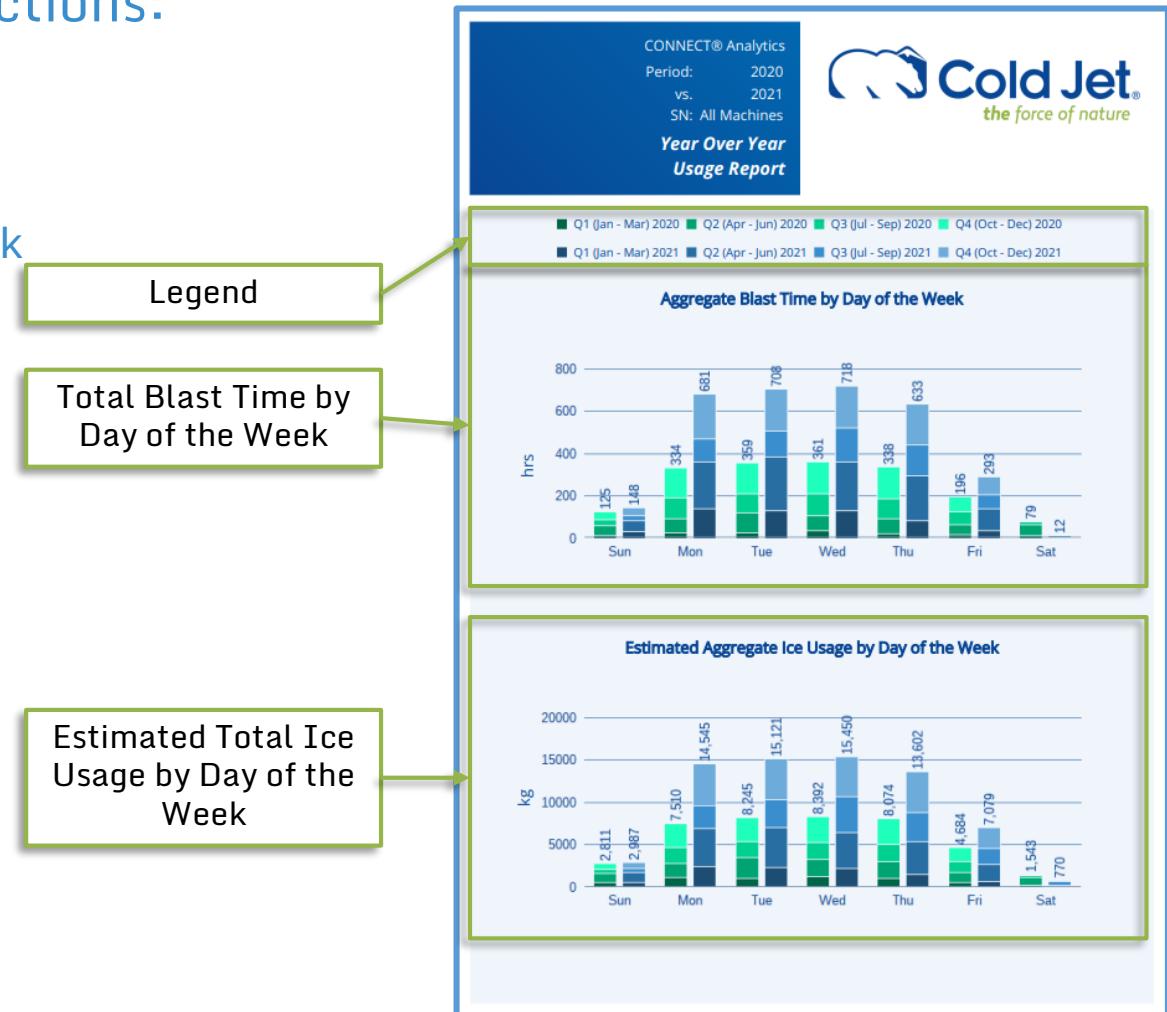
Month the group was used most

Estimated ice usage during the most used month

Total run time during the most used month

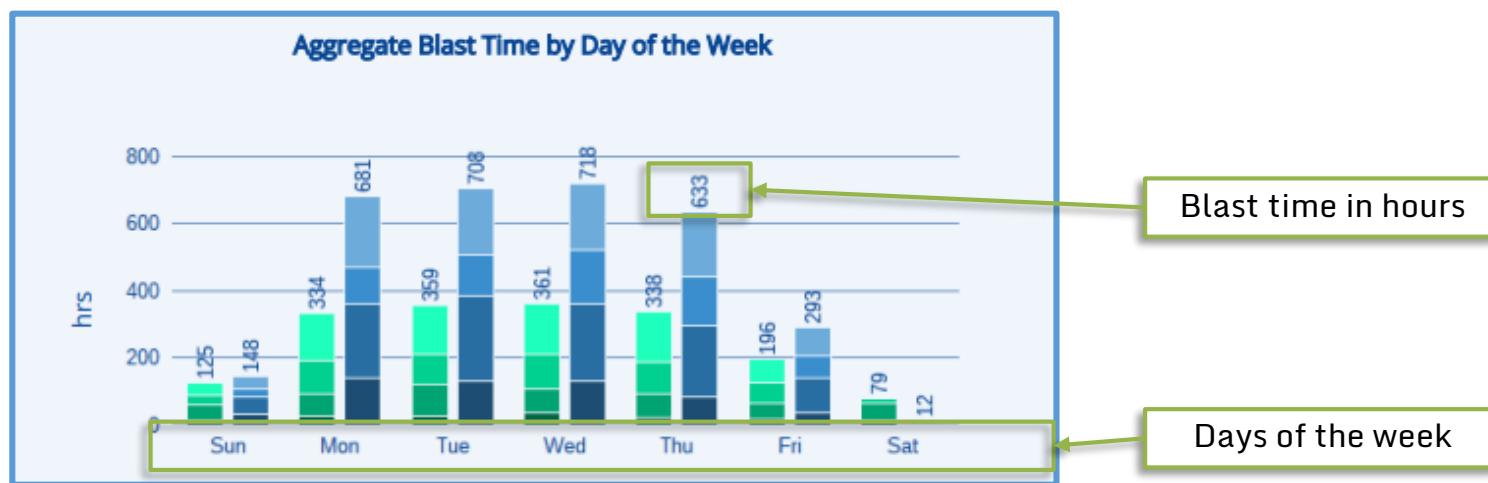
Year Over Year Usage Report PDF (cont.)

- The second page contains three main sections:
 - Chart legend
 - Total Blast Time by Day of the Week
 - Estimated Total Ice Usage by Day of the Week



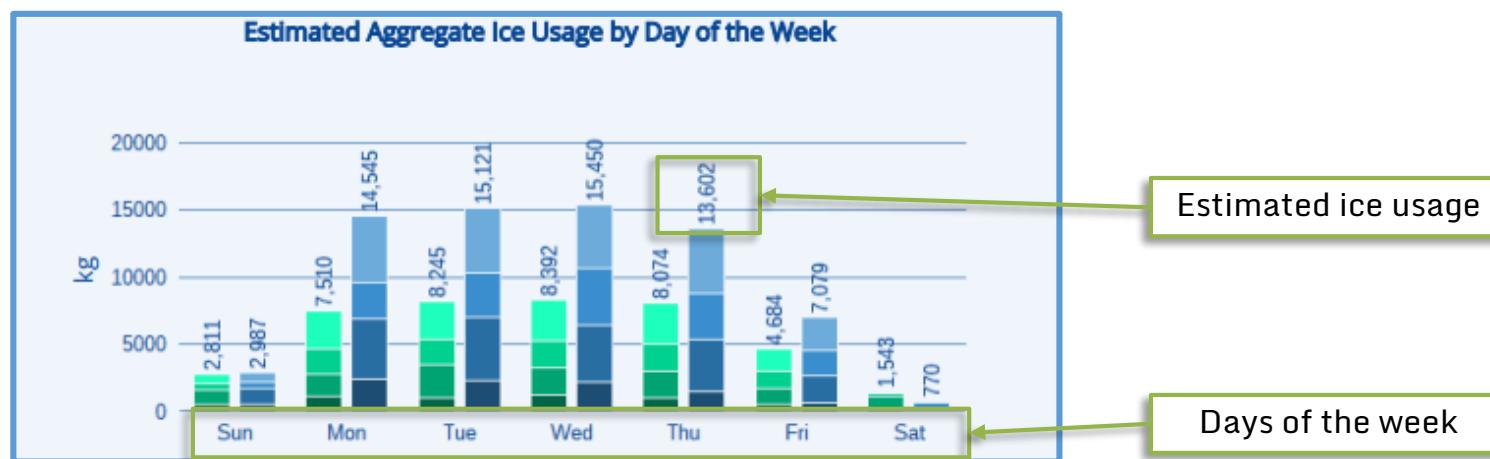
Year Over Year Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in each quarter of each year. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the quarter.



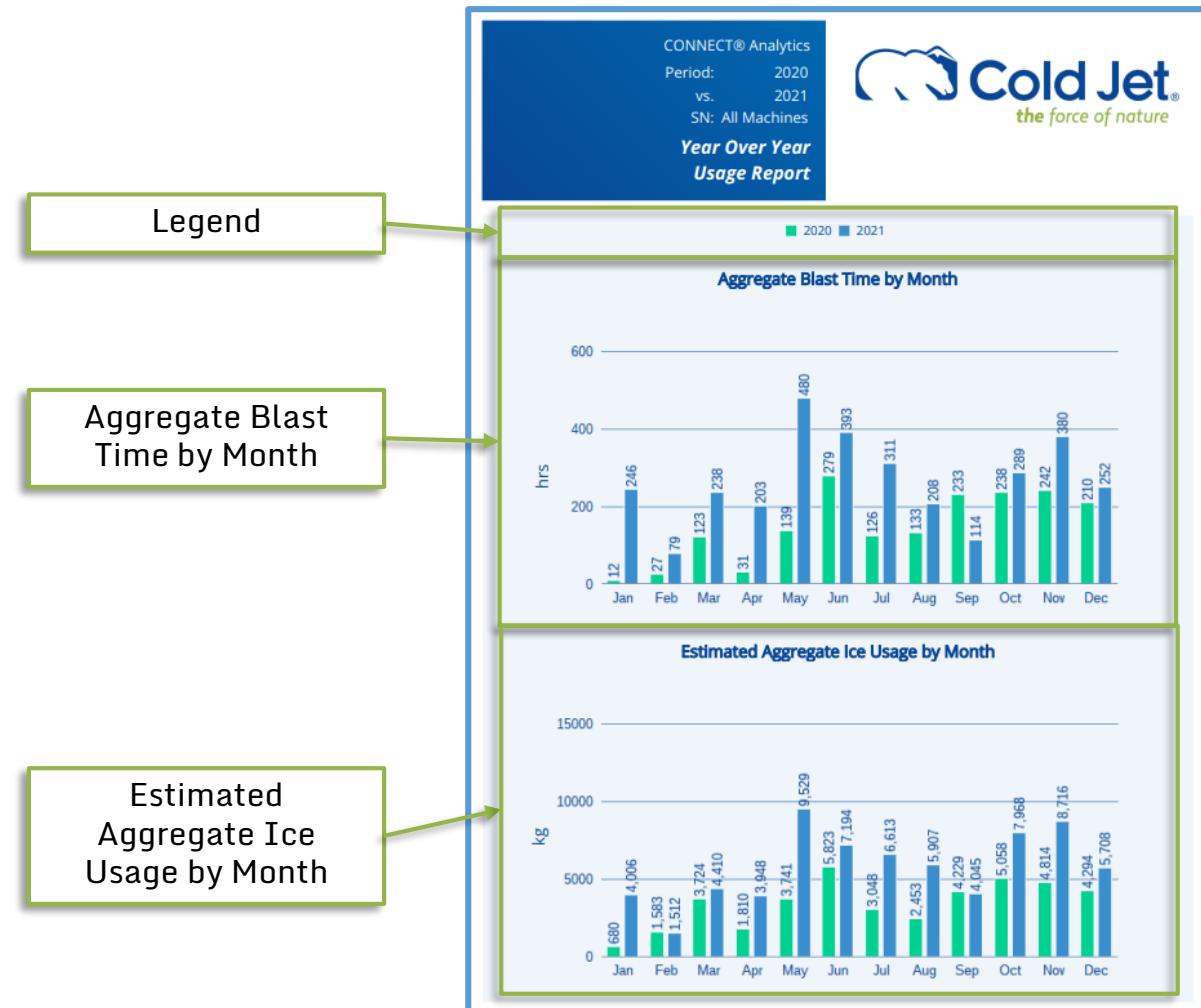
Year Over Year Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in each quarter in each year. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the quarter.



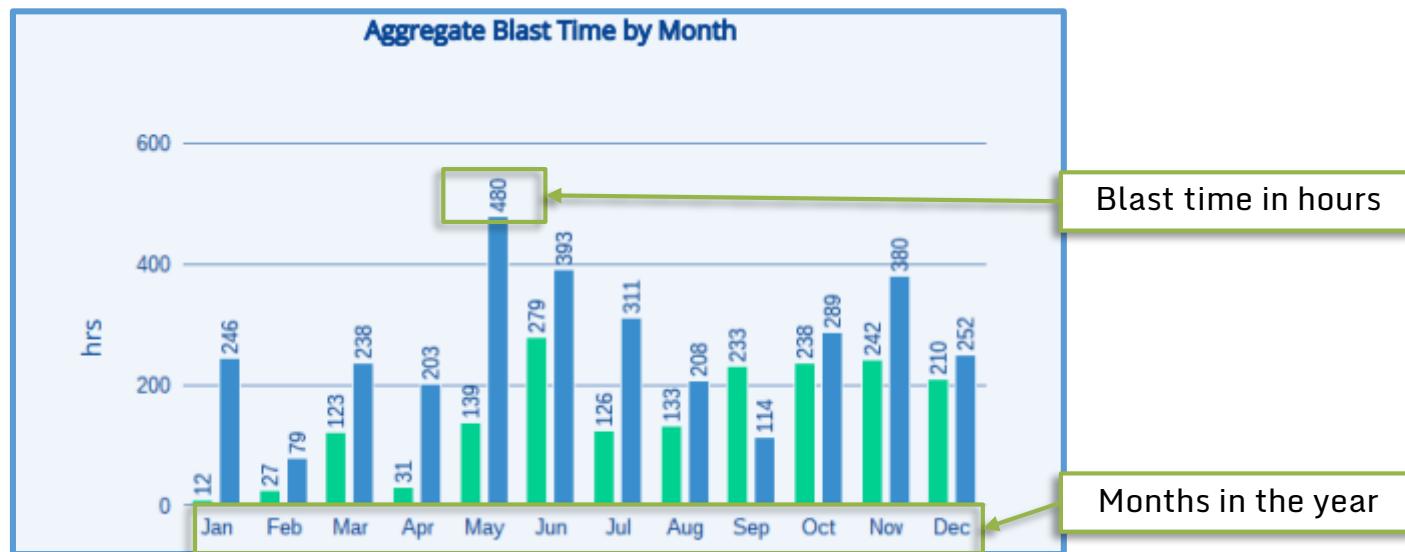
Year Over Year Usage Report PDF (cont.)

- The third page contains three sections:
 - Chart legend
 - Aggregate Blast Time by Month
 - Estimated Aggregate Ice Usage by Month



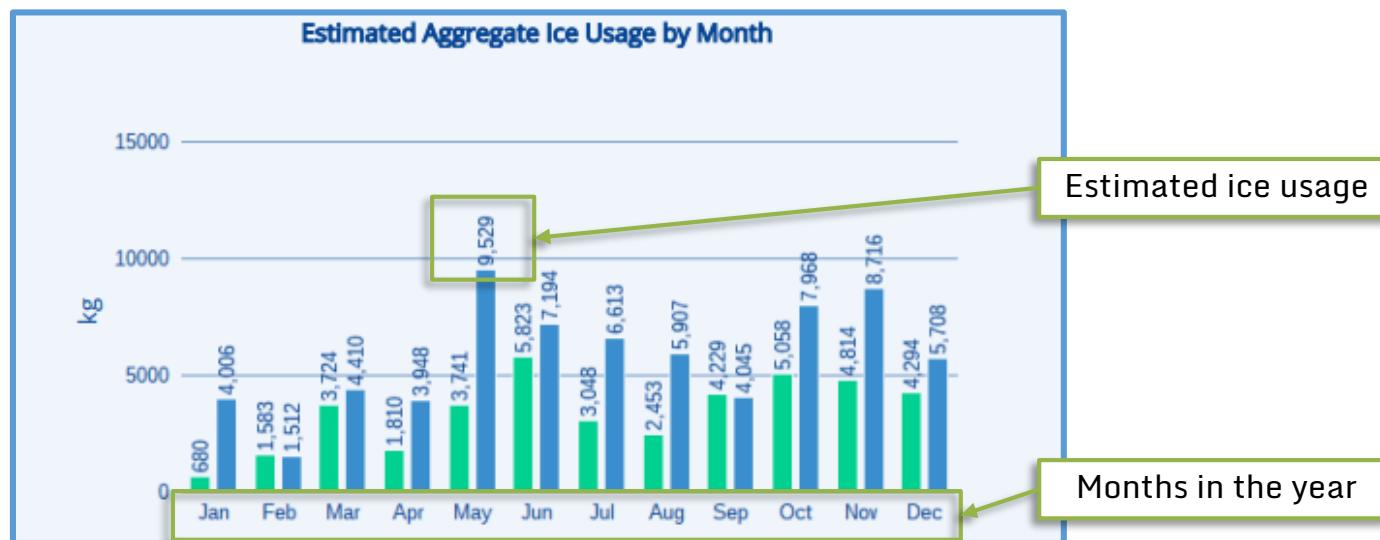
Year Over Year Usage Report PDF (cont.)

- The Aggregate Blast Time by Month chart contains:
 - Months in the year
 - Total blast time data for each month, in hours



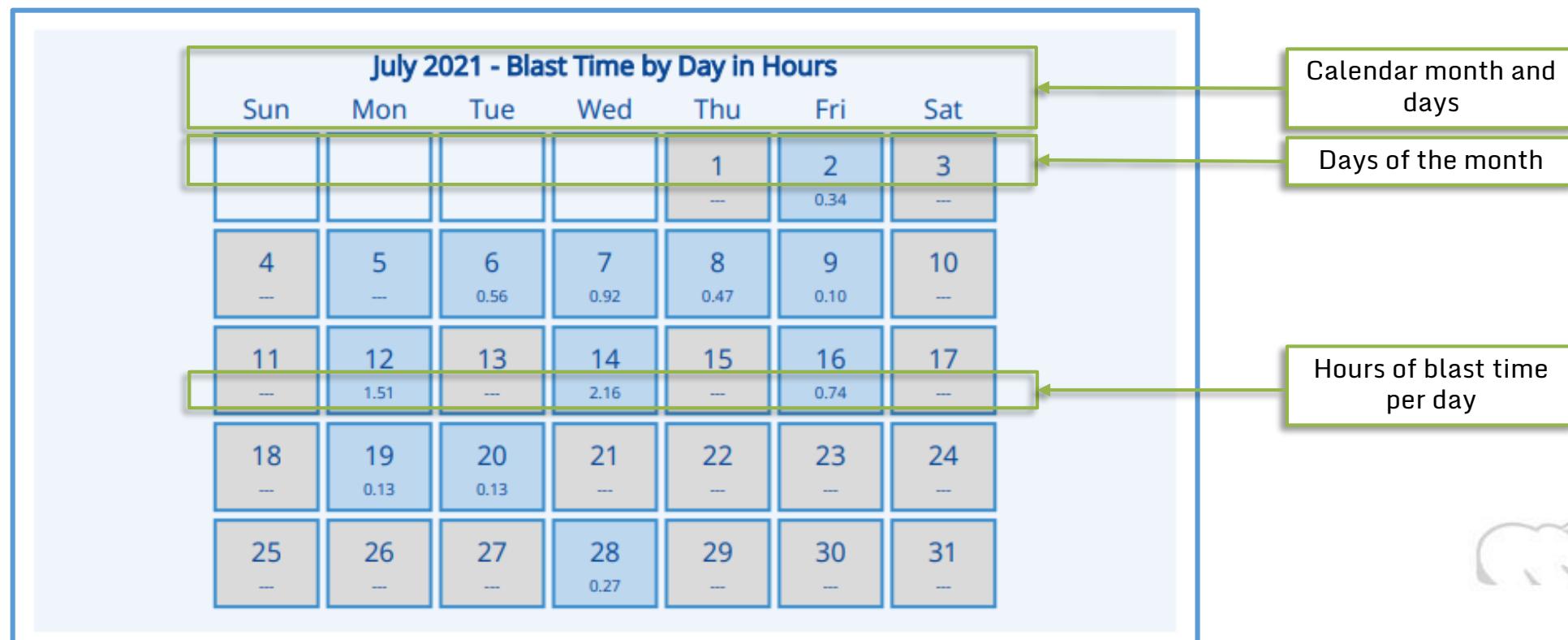
Year Over Year Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Month chart contains:
 - Months in the year
 - Total estimated ice usage for each month, in lb/kg



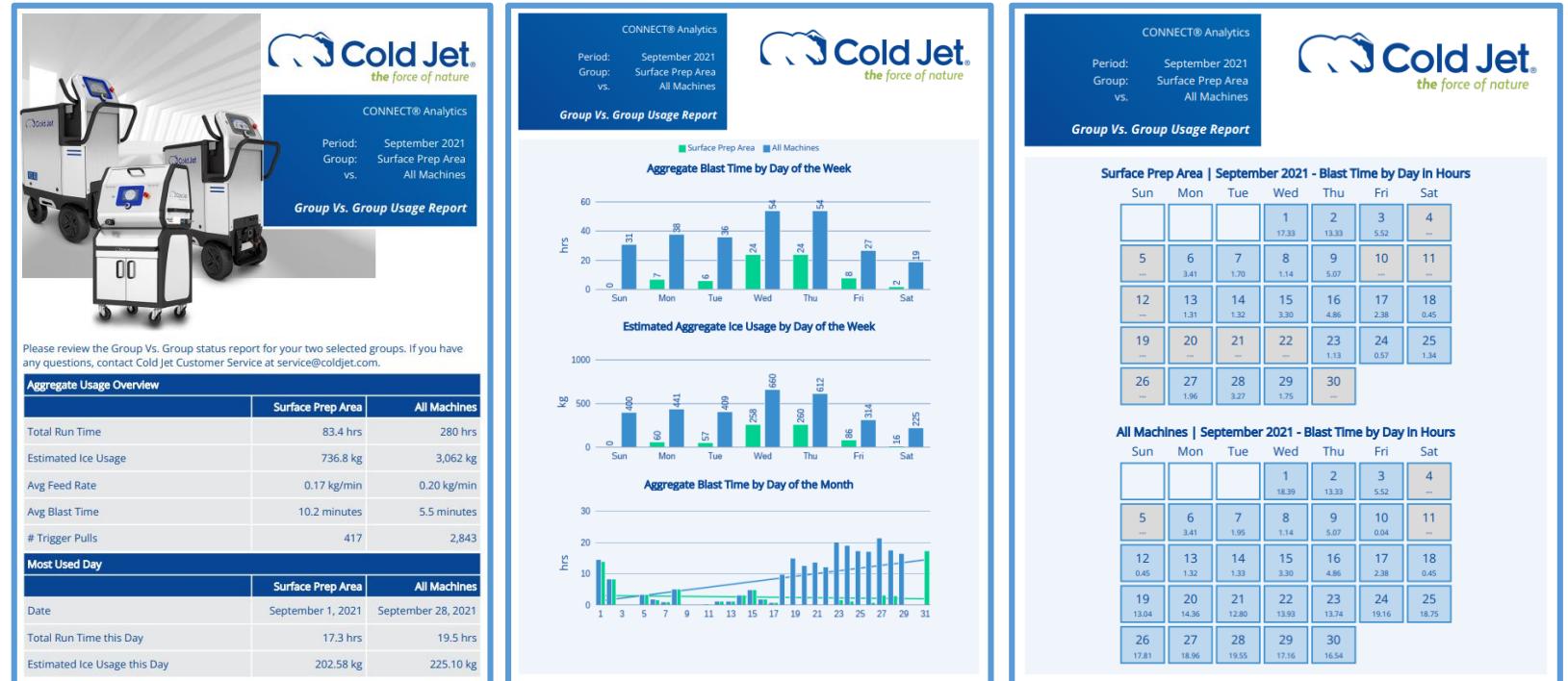
Year Over Year Usage Report PDF (cont.)

- The final pages of the report contain calendars with blast time by day in hours for each month in each year.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day



Group Vs. Group Usage Report PDF

- Selecting “View Report (PDF)” produces the following report:



Group Vs. Group Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Report information
 - Group data

The screenshot shows the first page of a PDF report from Cold Jet. At the top left is a photograph of three Cold Jet mobile cold storage units. To the right is the Cold Jet logo with the tagline "the force of nature". Below the logo is the text "CONNECT® Analytics". Underneath that, it says "Period: September 2021" and "Group: Surface Prep Area vs. All Machines". The title "Group Vs. Group Usage Report" is centered below this information. A green arrow points from the text "Report information" to the header area. Below the header is a message: "Please review the Group Vs. Group status report for your two selected groups. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com." The main content is divided into two tables: "Aggregate Usage Overview" and "Most Used Day".
Aggregate Usage Overview

	Surface Prep Area	All Machines
Total Run Time	83.4 hrs	280 hrs
Estimated Ice Usage	736.8 kg	3,062 kg
Avg Feed Rate	0.17 kg/min	0.20 kg/min
Avg Blast Time	10.2 minutes	5.5 minutes
# Trigger Pulls	417	2,843

Most Used Day

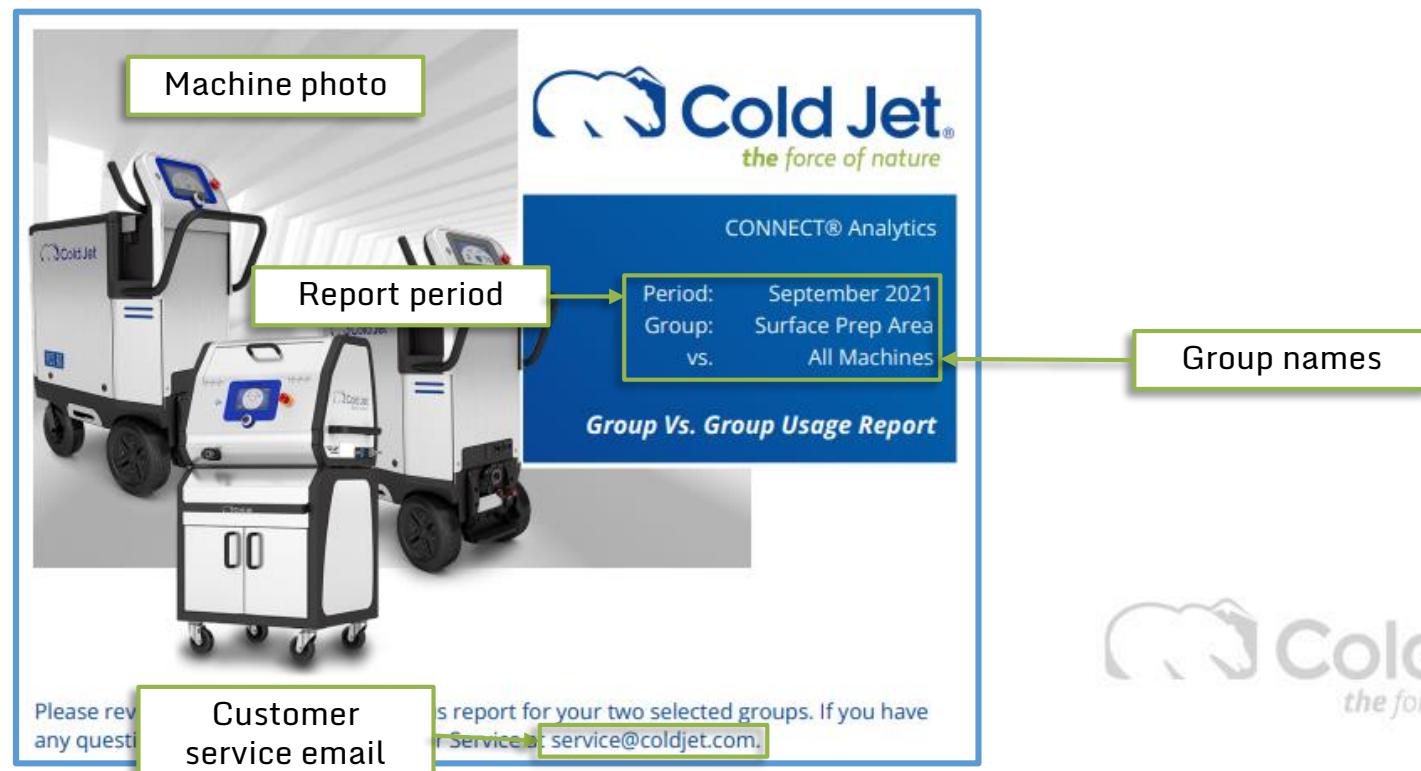
	Surface Prep Area	All Machines
Date	September 1, 2021	September 28, 2021
Total Run Time this Day	17.3 hrs	19.5 hrs
Estimated Ice Usage this Day	202.58 kg	225.10 kg

A green arrow points from the text "Group data" to the "Most Used Day" table.



Group Vs. Group Usage Report PDF (cont.)

- The group information on the PDF contains:
 - Reporting period
 - Group names
 - Machine photo
 - Customer service email



Group Vs. Group Usage Report PDF (cont.)

- The group data on the PDF contains:
 - Aggregate Usage Overview
 - Most Used Day

Aggregate Usage Overview		
	Surface Prep Area	All Machines
Total Run Time	83.4 hrs	280 hrs
Estimated Ice Usage	736.8 kg	3,062 kg
Avg Feed Rate	0.17 kg/min	0.20 kg/min
Avg Blast Time	10.2 minutes	5.5 minutes
# Trigger Pulls	417	2,843
Most Used Day		
	Surface Prep Area	All Machines
Date	September 1, 2021	September 28, 2021
Total Run Time this Day	17.3 hrs	19.5 hrs
Estimated Ice Usage this Day	202.58 kg	225.10 kg

Estimated ice usage in period

Average blast time

First Group

Second Group

Amount of hours of usage

Average feed rate used

Number of trigger pulls

Group Vs. Group Usage Report PDF (cont.)

- The Most Used Day section contains:
 - The day that each selected group was used the most, during the selected period
 - The total run time during the most used day
 - The estimated total ice usage during the most used day

Most Used Day		
	Surface Prep Area	All Machines
Date	September 1, 2021	September 28, 2021
Total Run Time this Day	17.3 hrs	19.5 hrs
Estimated Ice Usage this Day	202.58 kg	225.10 kg

Day the group was used most

Estimated ice usage during the most used day

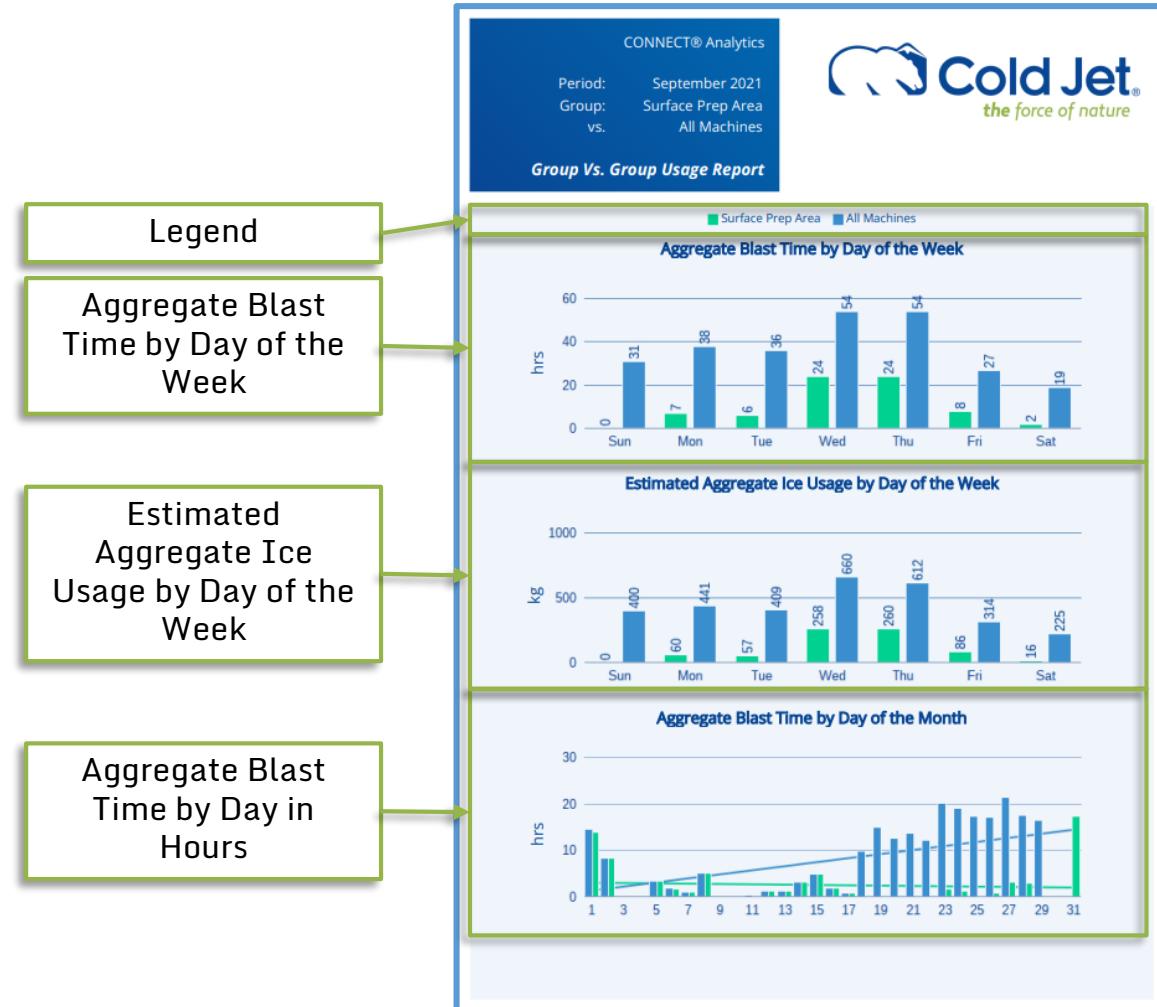
Total run time during the most used day

First Group

Second Group

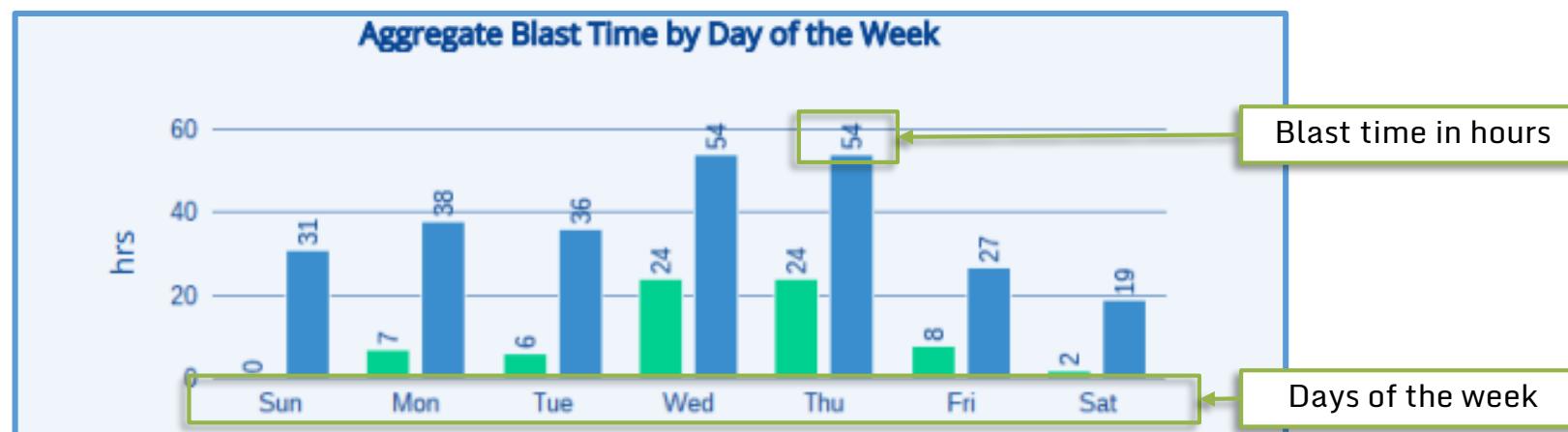
Group Vs. Group Usage Report PDF (cont.)

- The second page contains four main sections:
 - Chart legend
 - Aggregate Blast Time by Day of the Week
 - Estimated Aggregate Ice Usage by Day of the Week
 - Aggregate Blast Time by Day of the Month



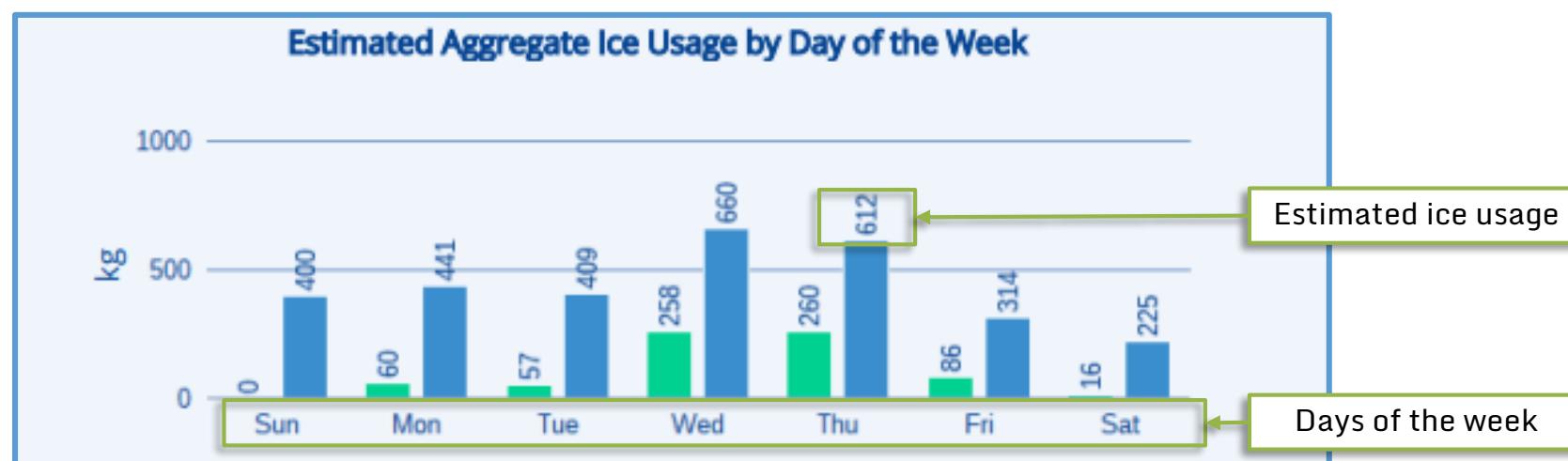
Group Vs. Group Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in the month. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the month.



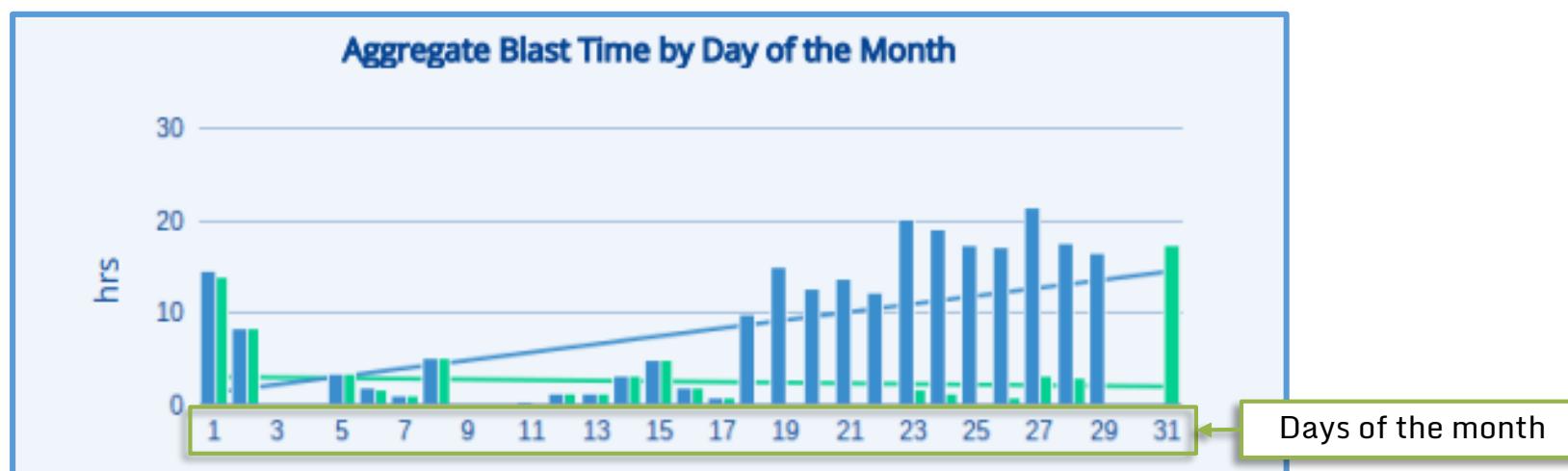
Group Vs. Group Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in the month. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the month.



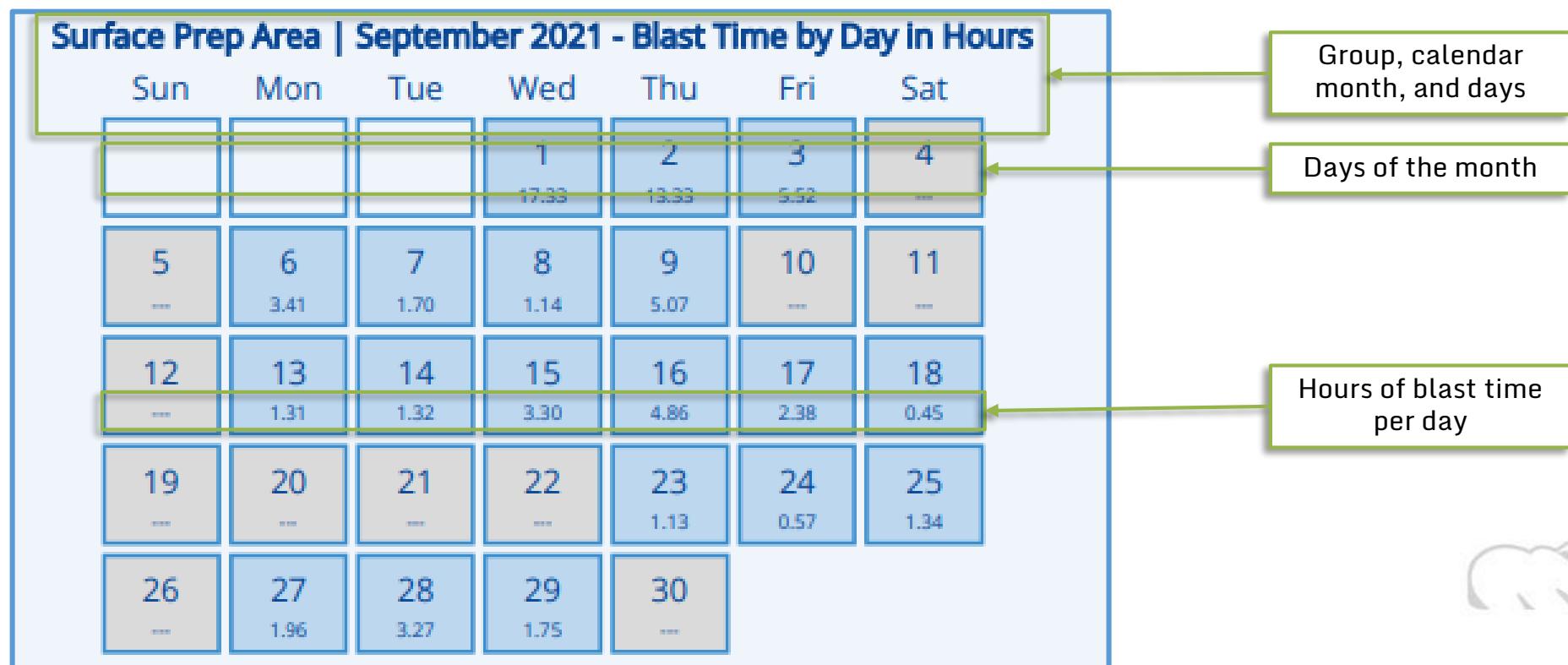
Group Vs. Group Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Month chart contains:
 - Days of the month (1 - 31)
 - Total blast time data for each day of the month, in hours



Group Vs. Group Usage Report PDF (cont.)

- The third page of the report contains calendars with blast time by day in hours for both groups selected.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day



Custom Usage Report PDF - Fleet

- Selecting “View Report (PDF)” produces an iteration the following report:
 - Note - depending on the selected timeframe, your report could vary from the displayed.
 - If you select less than 24 hours, you will see an hourly breakdown.
 - If you select between 1 and 60 days, you will see a daily breakdown.
 - If you select greater than 60 days, you will see a monthly breakdown. (Shown below)

 **Cold Jet**
the force of nature

CONNECT® Analytics

Period: 2022-03-01 00:00:00 EST – 2022-05-31 23:59:59 EST
Group: Surface Prep Area

Custom Usage Report

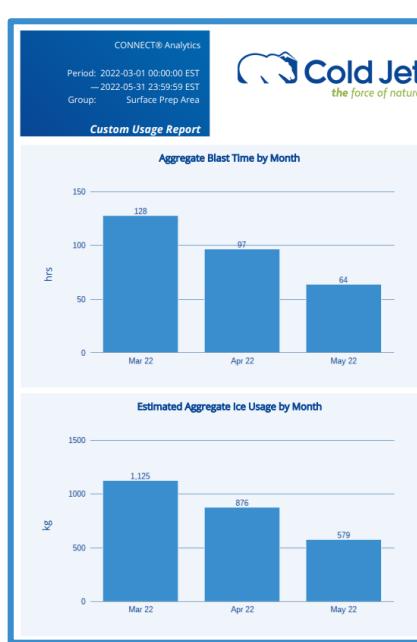
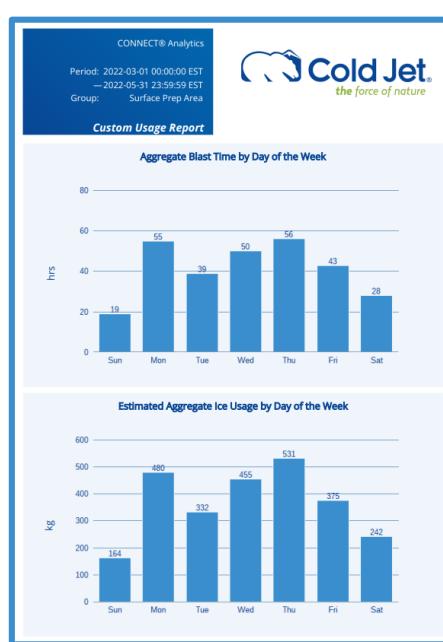
Please review the status report for your fleet group **Surface Prep Area**. If you have any questions, contact Cold Jet Customer Service at service@coldjet.com.

Aggregate Usage Overview

Total Run Time	428.1 hrs
Estimated Ice Usage	2,580 kg
Avg Feed Rate	0.15 kg/min
Avg Blast Time	13.9 minutes
# Trigger Pulls	1,245

Most Used Month

Month	March, 2022
Total Run Time this Month	127.7 hrs
Estimated Ice Usage this Month	1125 kg



CONNECT® Analytics

Period: 2022-03-01 00:00:00 EST – 2022-05-31 23:59:59 EST
Group: Surface Prep Area

Custom Usage Report

Usage Overview

Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected In Period?
3+101731	426.3	1458.8	2,518.14	0.15	YES
3+101981	0.0	297.1	0.00	0.00	NO
3+102517	1.8	1.8	61.57	0.57	YES

*You can determine which model your machine is by looking at the serial number.
A serial beginning with 1+ indicates an Aero2 PLT 60 machine.
A serial beginning with 3+ indicates an Aero2 PCS 60 machine.
A serial beginning with 5+ indicates an i3 MicroClean 2 machine.



Custom Usage Report PDF (cont.)

- The first page of the PDF contains two main sections:
 - Group information
 - Group data

The screenshot shows a PDF report titled "Custom Usage Report" from "Cold Jet the force of nature". The report header includes the company logo, the text "CONNECT® Analytics", and the reporting period: "Period: 2022-03-01 00:00:00 EST – 2022-05-31 23:59:59 EST", and the group name: "Group: Surface Prep Area". Below the header, there is a photograph of three Cold Jet mobile cold storage units. A callout box labeled "Group information" points to this section. The main body of the report is divided into two tables:

Aggregate Usage Overview

Total Run Time	428.1 hrs
Estimated Ice Usage	2,580 kg
Avg Feed Rate	0.15 kg/min
Avg Blast Time	13.9 minutes
# Trigger Pulls	1,245

Most Used Month

Month	March, 2022
Total Run Time this Month	127.7 hrs
Estimated Ice Usage this Month	1125 kg

A callout box labeled "Group data" points to the "Aggregate Usage Overview" table.

Cold Jet
the force of nature

Custom Usage Report PDF (cont.)

- The machine information on the PDF contains:
 - Reporting period
 - Group name
 - Machine photo
 - Customer service email



Custom Usage Report PDF (cont.)

- The machine data on the PDF contains:
 - Aggregate usage overview
 - Most Used
 - Note - depending on the timeframe, this may be the most used month, day, or hour

Aggregate Usage Overview	
Total Run Time	533 hrs
Estimated Ice Usage	4,423 kg
Avg Feed Rate	0.19 kg/min
Avg Blast Time	1.1 minutes
# Trigger Pulls	21,475
Most Used Month	
Month	March, 2022
Total Run Time this Month	162.2 hrs
Estimated Ice Usage this Month	1650.2 kg

Estimated ice usage in period → Estimated Ice Usage

Average blast time → Avg Blast Time

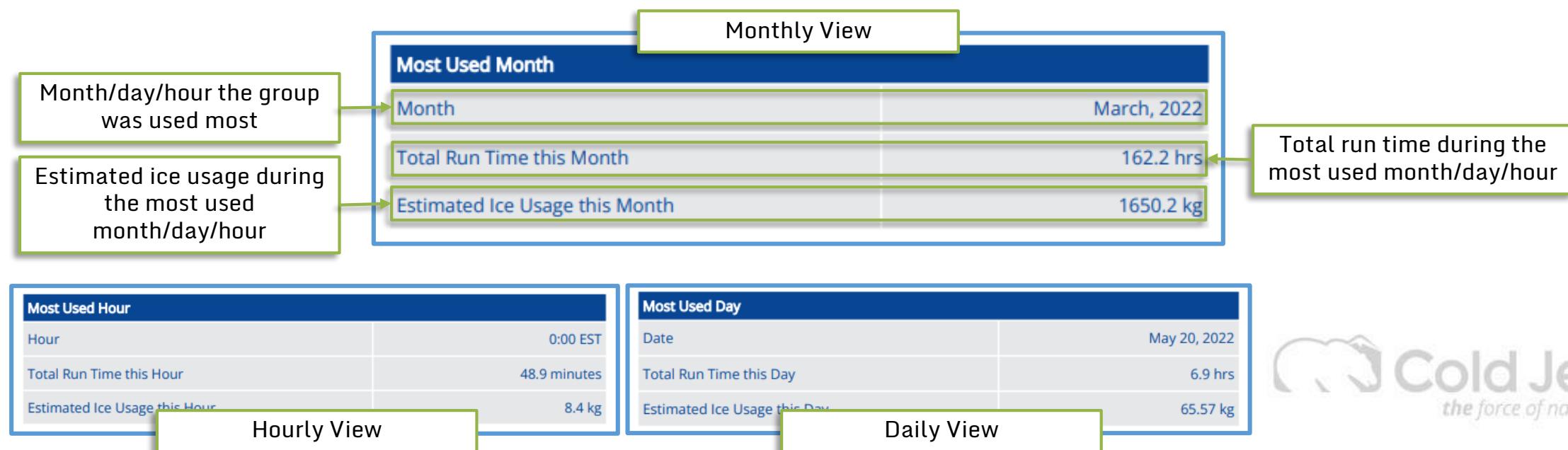
Amount of hours of machine usage → Total Run Time

Average feed rate used → Avg Feed Rate

Number of trigger pulls → # Trigger Pulls

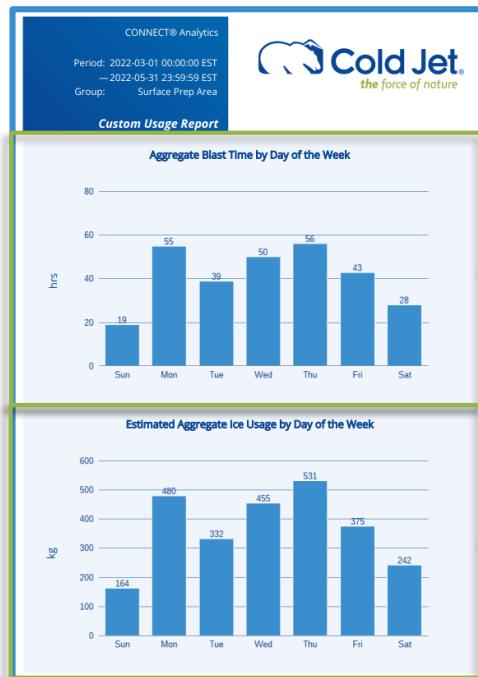
Custom Usage Report PDF (cont.)

- The Most Used section contains:
 - The month/day/hour that the selected group was used the most, during the selected period
 - The total run time during the most used month/day/hour
 - The estimated total ice usage during the most used month/day/hour



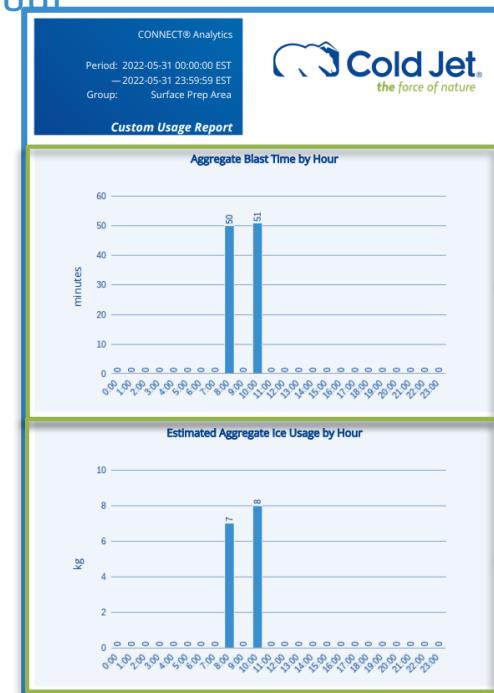
Custom Usage Report PDF (cont.)

- The second page contains two sections, varying based on the breakdown you see.
 - Monthly/Daily breakdown:**
 - Aggregate Blast Time by Day of the Week
 - Estimated Aggregate Ice Usage by Day of the Week
 - Hourly breakdown:**
 - Aggregate Blast Time by Hour
 - Estimated Aggregate Ice Usage by Hour



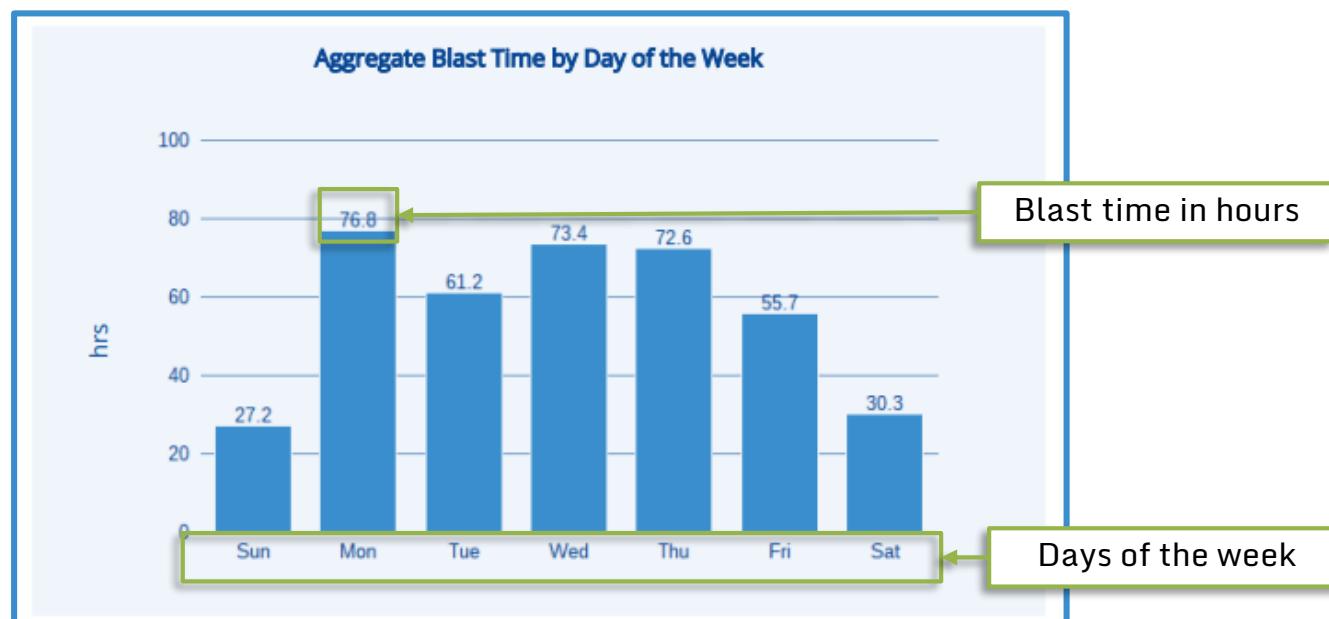
Aggregate Blast Time by Day of the Week

Estimated Aggregate Ice Usage by Day of the Week



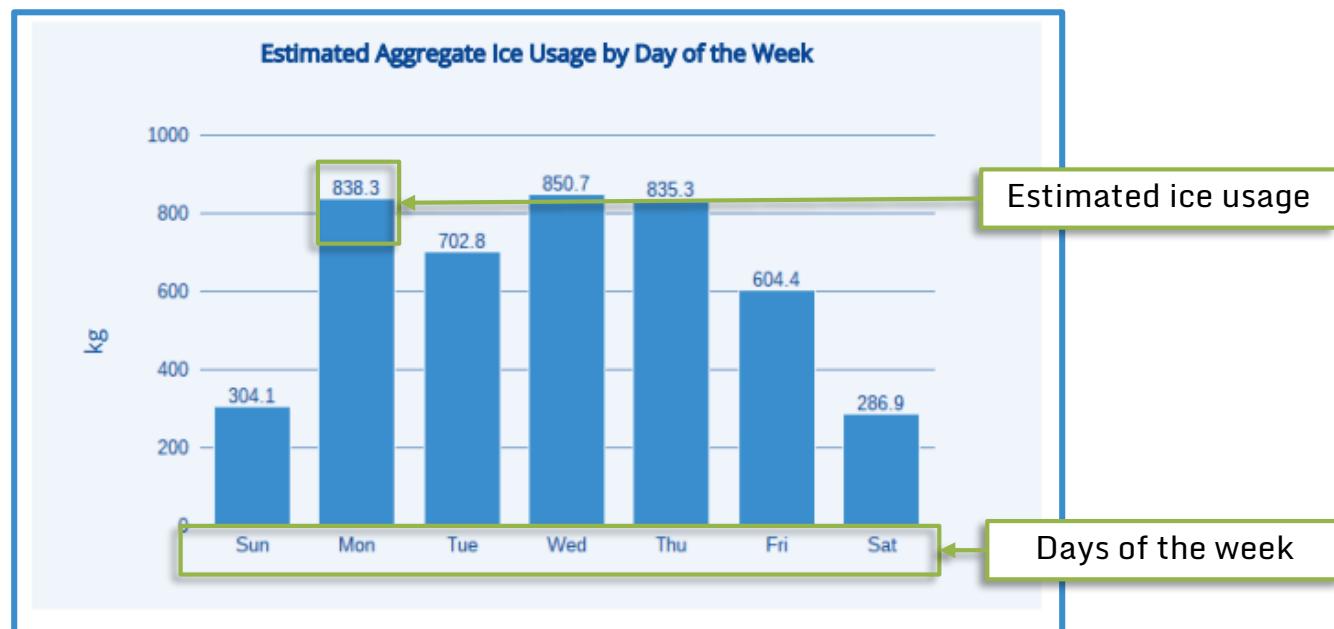
Custom Usage Report PDF (cont.)

- The Aggregate Blast Time by Day of the Week chart contains:
 - Days of the week
 - Total blast time data for each day, in hours
 - This data is an accumulation of blast data from every instance of that weekday in the selected period. For example, the blast time in hours for Thursday is the sum of blast time for every Thursday in the period.



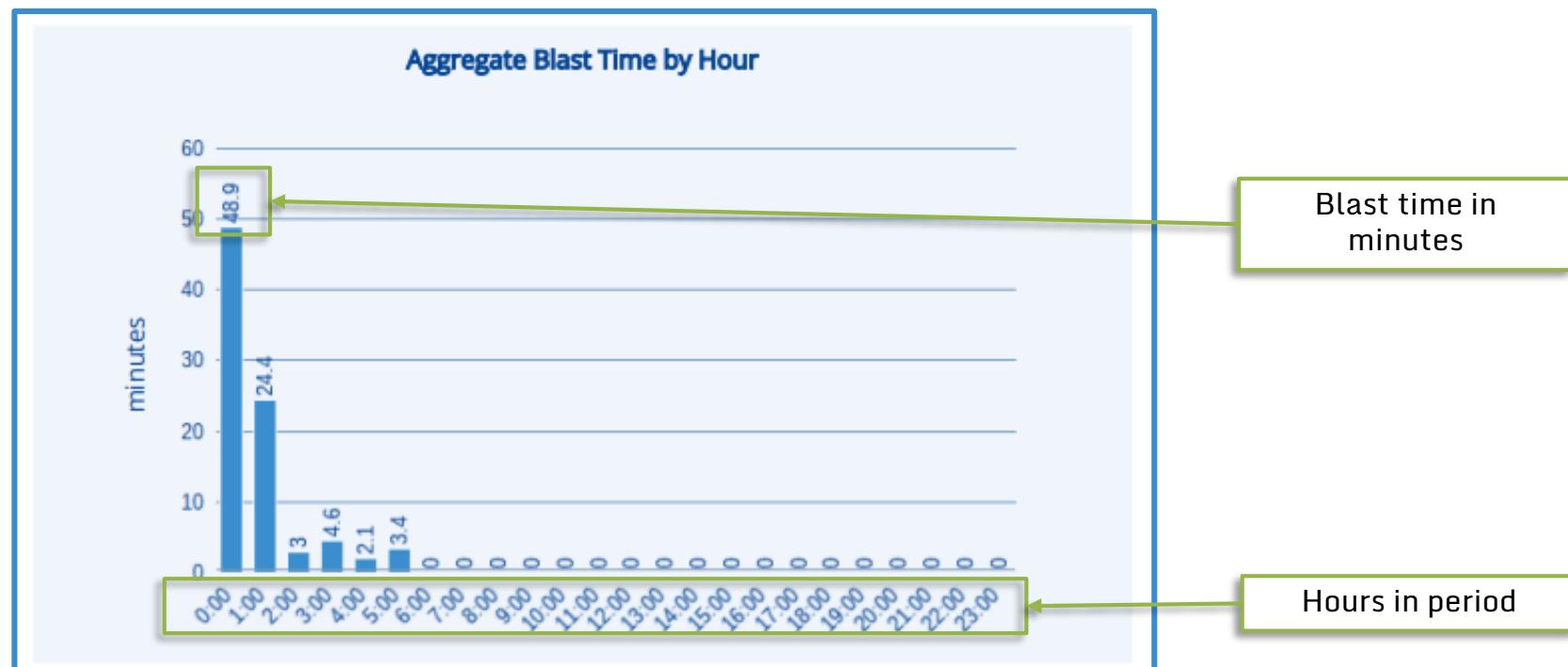
Custom Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Days of the week
 - Total estimated ice usage for each day, in lb/kg
 - This data is an estimation based on average feed rate and blast time in the selected period. Using these values, the ice usage in lb/kg is estimated. The estimations for each day of the week are added together to produce 7 data points. For example, the ice usage for Thursday is the sum of estimated ice usage for every Thursday in the period.



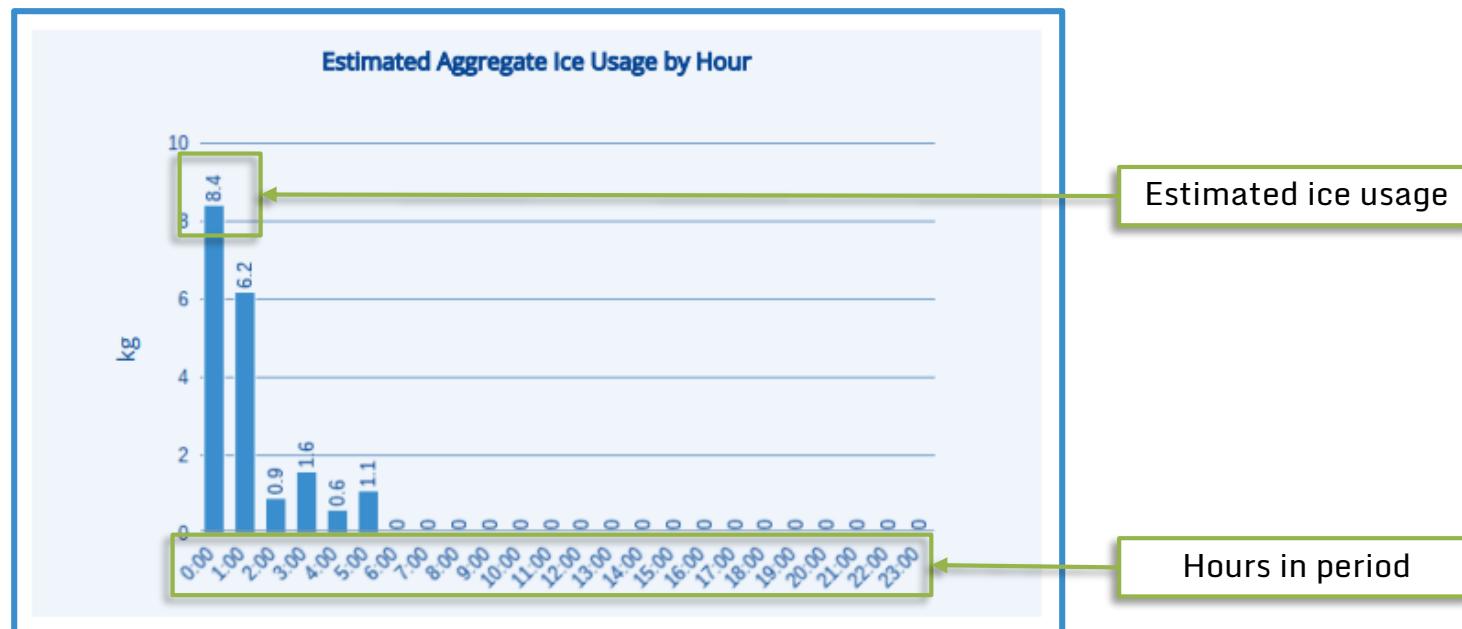
Custom Usage Report PDF (cont.)

- The Aggregate Blast Time by Hour chart contains:
 - Hours in period
 - Total blast time data for each hour, in minutes



Custom Usage Report PDF (cont.)

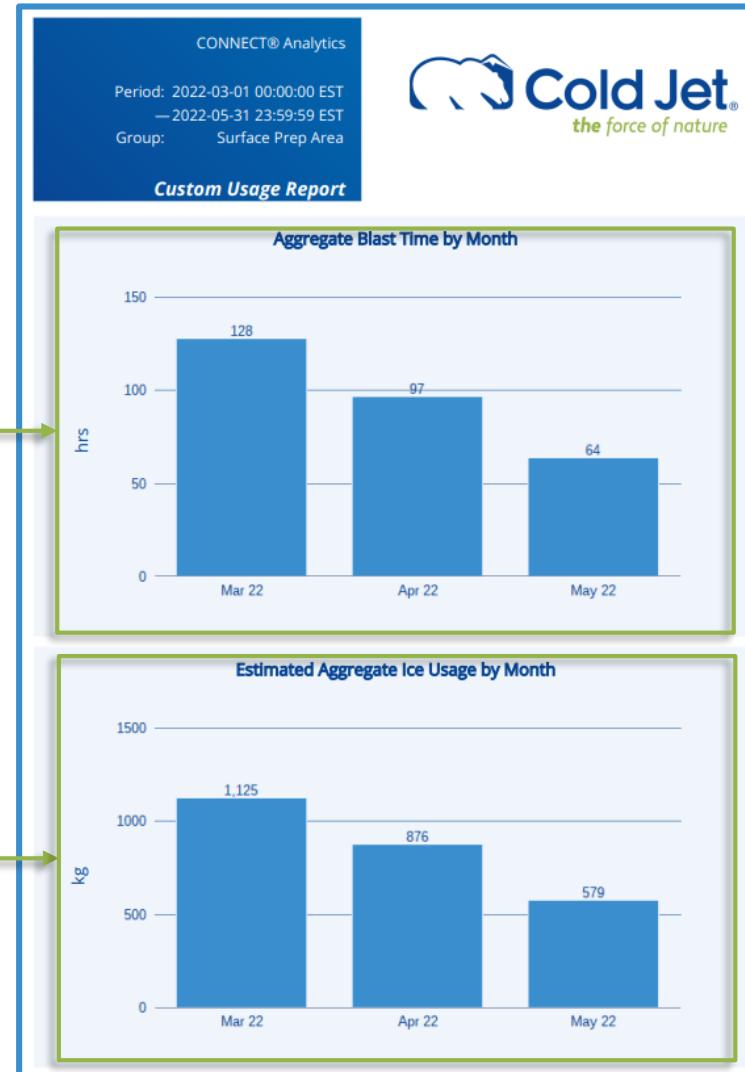
- The Estimated Aggregate Ice Usage by Day of the Week chart contains:
 - Hours in period
 - Total estimated ice usage for each hour, in lb/kg



Custom Usage Report PDF (cont.)

- If you are viewing the monthly breakdown, the third page contains two sections:
 - Aggregate Blast Time by Month
 - Estimated Aggregate Ice Usage by Month
- Note - this page is not featured on the daily/hourly breakdowns.

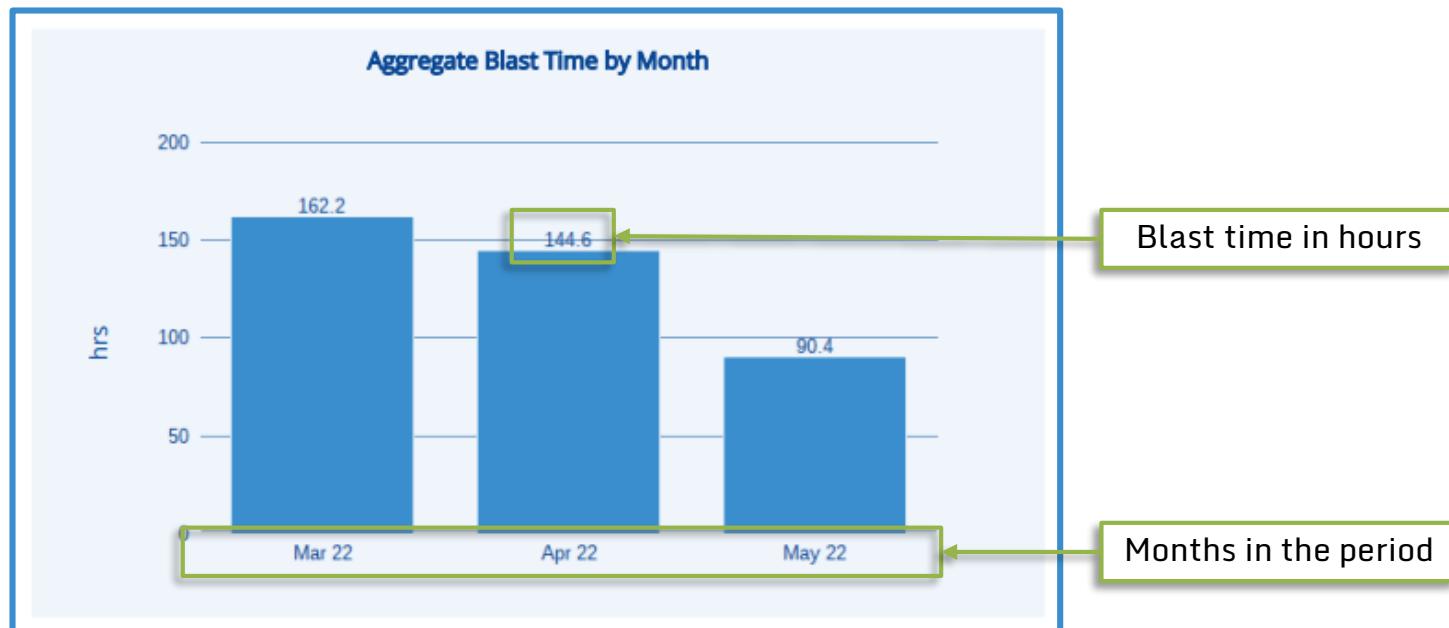
Aggregate Blast
Time by Month



Estimated
Aggregate Ice
Usage by Month

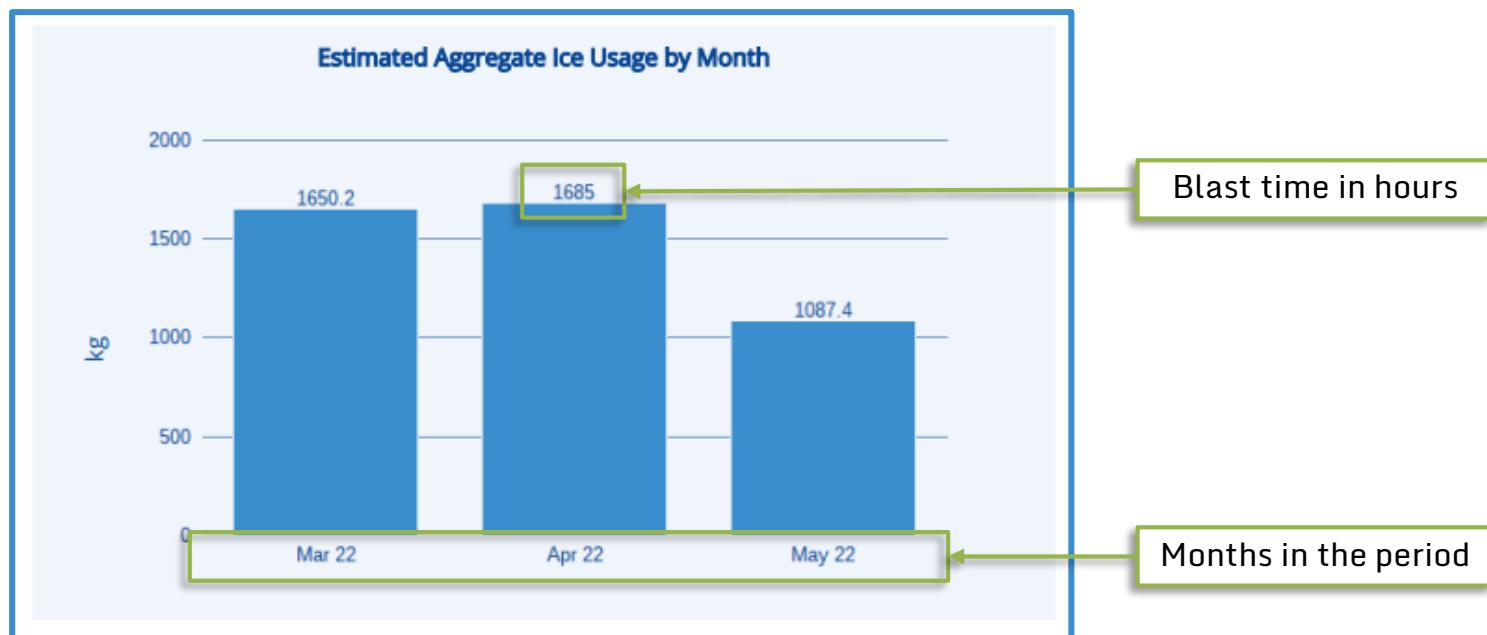
Custom Usage Report PDF (cont.)

- The Aggregate Blast Time by Month chart contains:
 - Months in the period
 - Total blast time data for each month, in hours



Custom Usage Report PDF (cont.)

- The Estimated Aggregate Ice Usage by Month chart contains:
 - Months in period
 - Total estimated ice usage for each month, in lb/kg



Custom Usage Report PDF (cont.)

- If you are viewing the daily or monthly breakdown, the next page(s) of the report contain(s) calendars with blast time by day in hours for each month in the period.
 - Note - any unused days in the period will appear gray, and any days *not* in the period will be pale blue.
- The Blast Time by Day in Hours section contains:
 - A calendar for the reporting period
 - Number of hours of blast time per day

April 2022 - Blast Time by Day in Hours						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 9.90	2 3.40
3 4.85	4 8.10	5 2.22	6 2.87	7 7.23	8 3.79	9 4.37
10 0.81	11 6.05	12 5.99	13 6.59	14 4.90	15 4.06	16 0.79
17 0.36	18 5.23	19 5.98	20 7.61	21 7.65	22 6.36	23 1.84
24 2.85	25 7.42	26 7.39	27 3.85	28 5.72	29 6.44	30 ---

Diagram labels and arrows:

- Calendar month and days: Points to the header row (Sun, Mon, Tue, etc.) and the first two columns of the data grid.
- Days of the month: Points to the third column of the data grid.
- Hours of blast time per day: Points to the last column of the data grid.

Custom Usage Report PDF (cont.)

- The final pages contain two sections:
 - Usage Overview
 - Footnotes

The screenshot shows a PDF titled "CONNECT® Analytics" with a header for "Cold Jet" and "the force of nature". The report is titled "Custom Usage Report" and includes a "Usage Overview" table and a "Footnotes" section.

Usage Overview

Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected In Period?
3+101731	426.3	1458.8	2,518.14	0.15	YES
3+101981	0.0	297.1	0.00	0.00	NO
3+102517	1.8	1.8	61.57	0.57	YES

Footnotes

* You can determine which model your machine is by looking at the serial number.
A serial beginning with **1+** indicates an **Aero2 PLT 60** machine.
A serial beginning with **3+** indicates an **Aero2 PCS 60** machine.
A serial beginning with **5+** indicates an **B MicroClean 2** machine.

Usage Overview

Footnotes

Custom Usage Report PDF (cont.)

- **Usage Overview** provides insight into the usage for each machine in the group during the selected timeframe.
- The **footnotes** at the end of the report describe how to determine which model each machine in the group is.

The screenshot shows a "Custom Usage Report" from CONNECT® Analytics. The report header includes the period (2022-03-01 to 2022-05-31), group (Surface Prep Area), and the Cold Jet logo. The main section, "Usage Overview", contains a table with the following data:

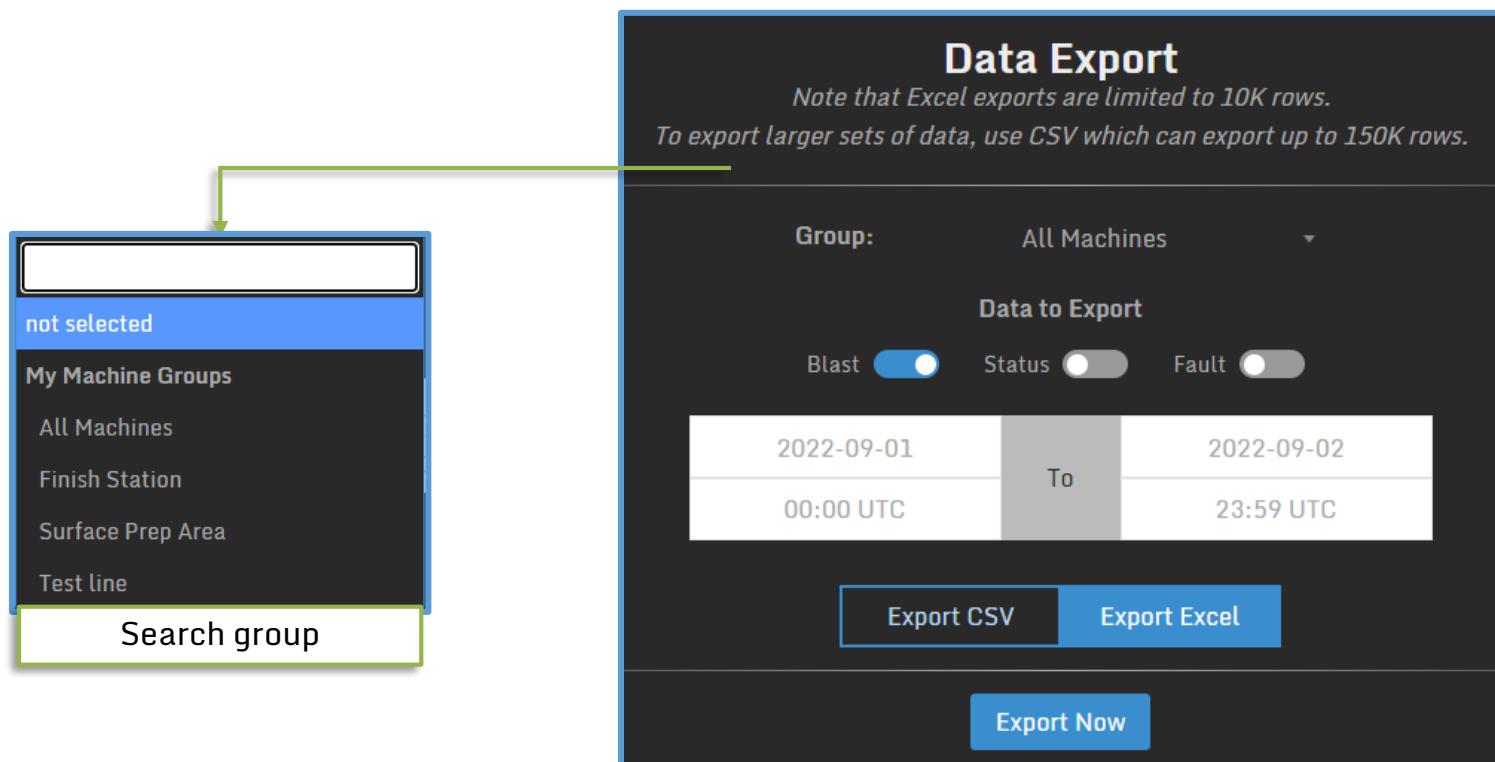
Serial # *	Run Time (hrs)	Hour Meter	Est Ice Usage (kg)	Avg Feed Rate (kg/min)	Connected In Period?
3+101731	426.3	1458.8	2,518.14	0.15	YES
3+101981	0.0	297.1	0.00	0.00	NO
3+102517	1.8	1.8	61.57	0.57	YES

*You can determine which model your machine is by looking at the serial number.
A serial beginning with 1+ indicates an Aero2 PLT 60 machine.
A serial beginning with 3+ indicates an Aero2 PCS 60 machine.
A serial beginning with 5+ indicates an i3 MicroClean 2 machine.



Data Export

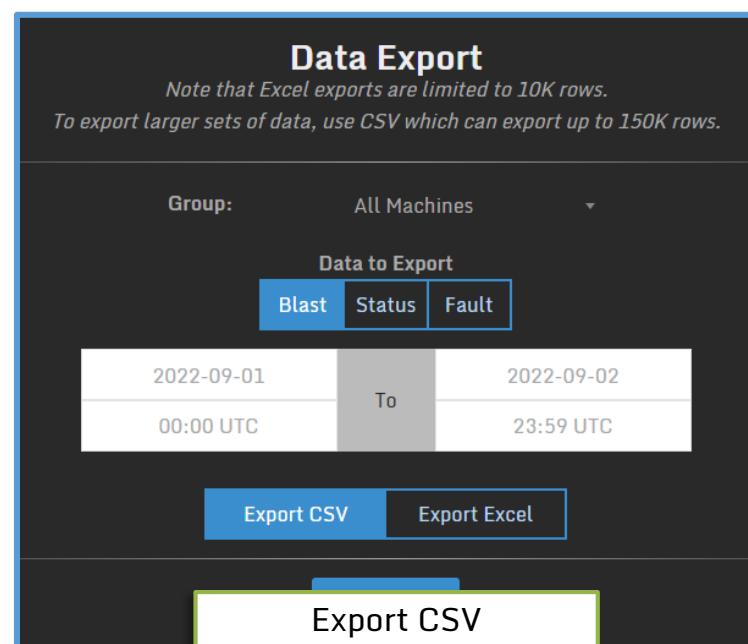
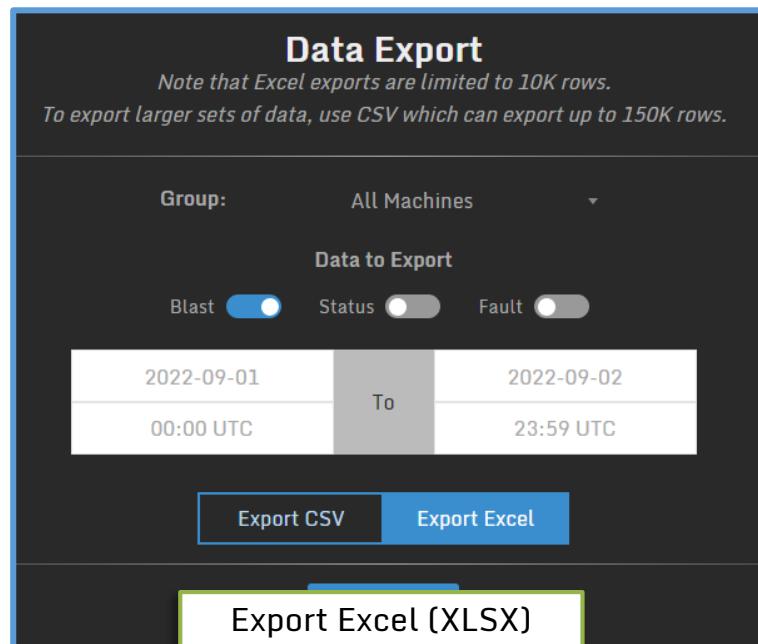
- The Data Export page can be used to create an **XLSX** or **CSV** file, which can be used with Microsoft Excel.
- You may export Blast, Status, or Fault data for your group between a specified timeframe.



A screenshot of the Data Export interface. On the left, a sidebar shows a list of machine groups: 'not selected', 'My Machine Groups' (which is expanded), 'All Machines', 'Finish Station', 'Surface Prep Area', and 'Test line'. A green arrow points from the 'Search group' button in the sidebar to the 'Data Export' page. The main page has a title 'Data Export' and notes about Excel and CSV export limits. It shows a 'Group:' dropdown set to 'All Machines', a 'Data to Export' section with 'Blast' (selected), 'Status', and 'Fault' options, and a date/time range from '2022-09-01 00:00 UTC' to '2022-09-02 23:59 UTC'. At the bottom are 'Export CSV', 'Export Excel' buttons, and a large blue 'Export Now' button.

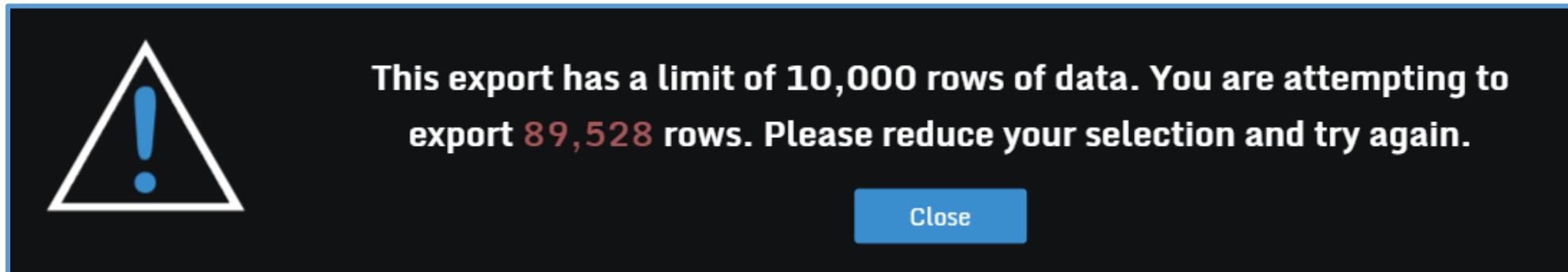
Data Export (cont.)

- When selecting “Export CSV”, only one type of data may be selected.
- If you select “Export Excel”, you may choose to export multiple types of data.
- If you select multiple types of data to export, your file will have separate sheets for each type.



Data Export (cont.)

- Note - when exporting an XLSX file, there is a limit of 10,000 rows of data. If you exceed this, a popup will tell you how many rows you attempted and request that you reduce your selection.



Settings

- The Settings page features two main sections:
 - General Settings
 - Notifications
- You can open or close each tab of the settings page by clicking on the title.

The screenshot shows a dark-themed 'Settings' page with a 'Save' button at the bottom. The 'General Settings' tab is active, displaying various configuration options:

Setting	Value
Units	Imperial
Default Home Timeframe	Last 30 Days
Home Refresh Interval	1 minute
Show As Online Timeframe	Now (Last 15 Minutes)
Ice Usage Calculation	Blast Time
Language	English
Time Zone	[UTC +00:00:00] UTC
Show Quick Start on Login	Enabled

The 'Notifications' tab is visible below the 'General Settings' tab.

General Settings

- The General Settings page is where you tailor the display information in CONNECT® Analytics to your liking or subscribe to notifications regarding your machine.

Settings

Set your preferences.

- General Settings

Setting	Value
Units	Imperial
Default Home Timeframe	Last 30 Days
Home Refresh Interval	1 minute
Show As Online Timeframe	Now (Last 15 Minutes)
Ice Usage Calculation	Blast Time
Language	English
Time Zone	[UTC +00:00:00] UTC
Show Quick Start on Login	Enabled

+ Notifications

[Save](#)

General Settings (cont.)

- **Units** sets the type of units you would like the information to be displayed with.
Options include:
 - Imperial
 - Metric

The diagram illustrates the connection between the 'General Settings' page and the 'Home Page'. A green box highlights the 'Units' setting in the 'General Settings' menu, which is mapped via a green arrow to the 'Units' section on the 'Home Page'. The 'Home Page' displays two main metrics: 'Total Run Time' (1.0 Hours) and 'Avg Feed Rate' (0.48 lb/min), each with its own detailed sub-section.

General Settings

Set your preferences.

- General Settings

Setting	Value
Units	Imperial
Default Home Timeframe	Last 30 Days
Home Refresh Interval	1 minute
Show As Online Timeframe	Now (Last 15 Minutes)
Ice Usage Calculation	Blast Time
Language	English
Time Zone	[UTC +00:00:00] UTC
Show Quick Start on Login	Enabled

+ Notifications

Save

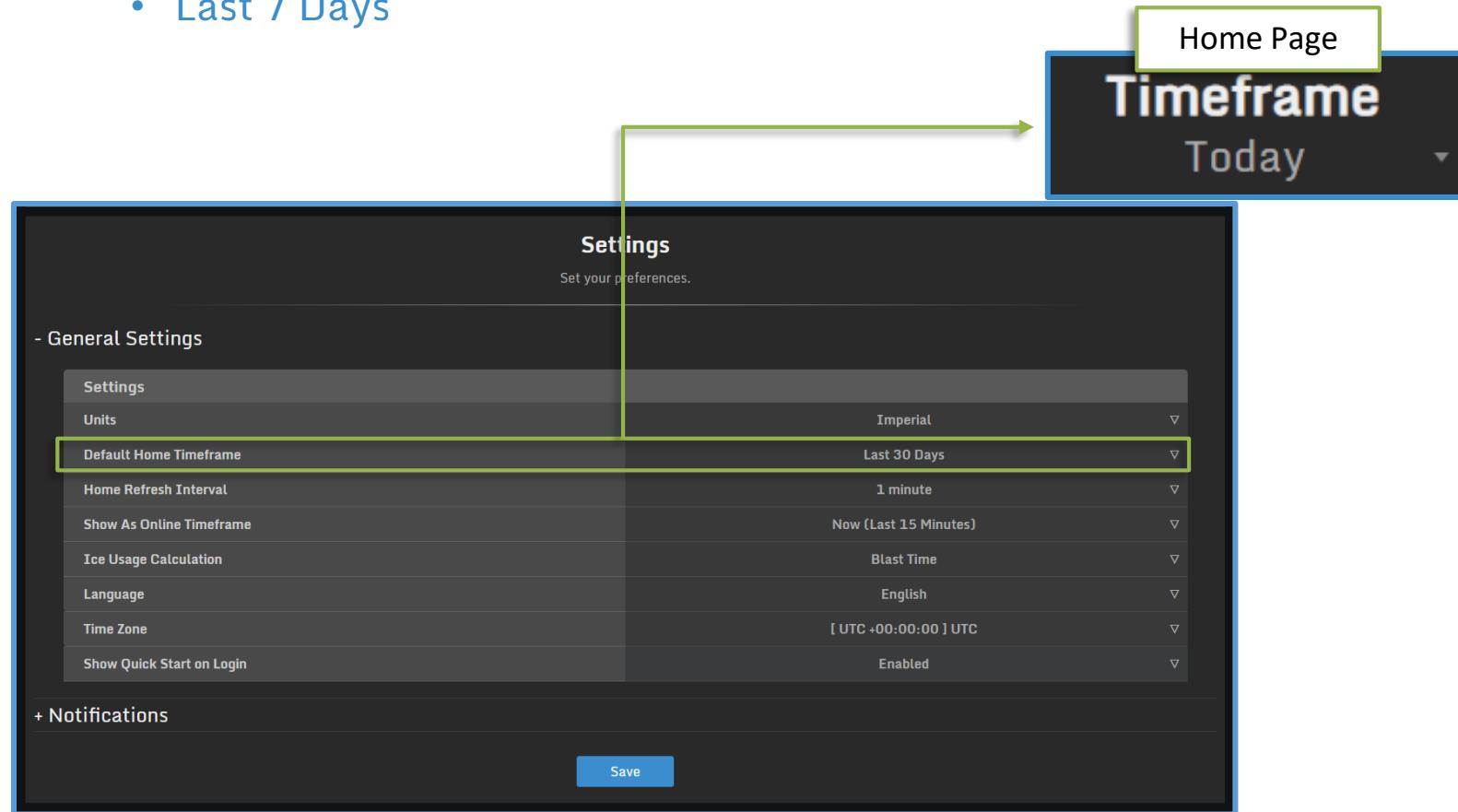
Home Page

Total Run Time
1.0 Hours Meter 1.7

Avg Feed Rate
0.48 lb/min Min 0.11 Max 0.66

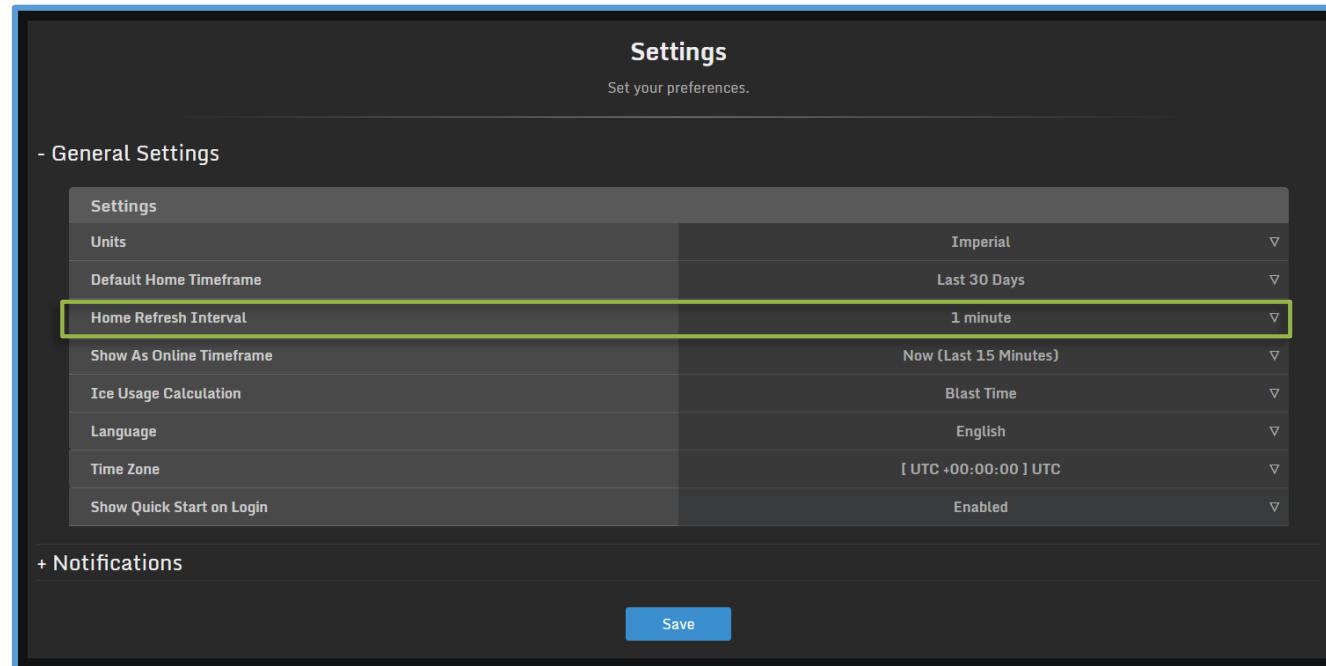
General Settings (cont.)

- **Default Home Timeframe** selects the timeframe on the home page. Options include:
 - Today
 - Yesterday
 - Last 7 Days
 - Last 30 Days
 - Year to Date (YTD)
 - Last Year
 - All Time



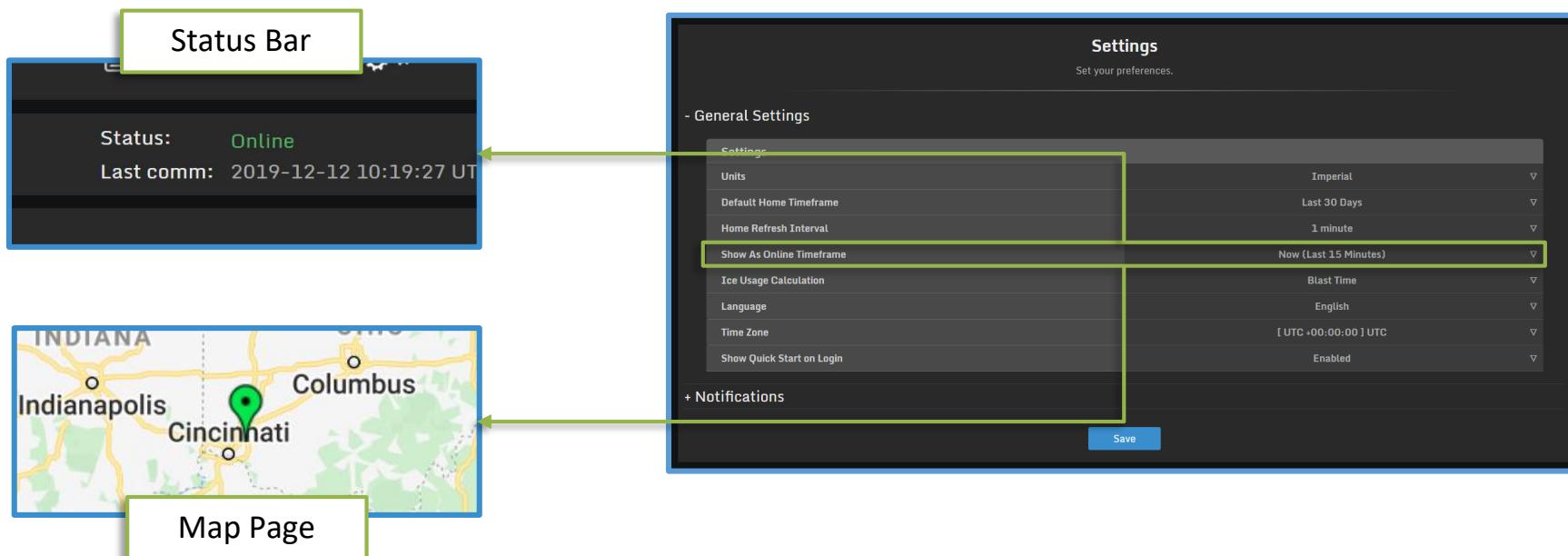
General Settings (cont.)

- **Home Refresh Interval** chooses the length of time before data refreshes on the customer home page. Options include:
 - 30 seconds
 - 1 minute
 - 5 minutes
 - 10 minutes
 - 30 minutes



General Settings (cont.)

- **Show as Online Timeframe** is the period of time that your machine will be considered online for. Options include:
 - 1 hour
 - 4 hours
 - 8 hours
 - 12 hours
 - 24 hours
 - 48 hours
 - 7 days
 - 30 days
- If your machine is online, the status bar will be green and say online. Otherwise, it will be gray and say offline. Additionally, the machine map will show a red pin if offline, or a green pin if online.



General Settings (cont.)

- **Ice Usage Calculation** is the type of hour reading you would like to use to calculate estimated ice usage. Options include:
 - Blast Time - Sum of trigger seconds during the timeframe
 - Run Time - Difference in hour meter readings from beginning and end of the timeframe

Settings

Set your preferences.

- General Settings

Settings	Imperial
Units	Last 30 Days
Default Home Timeframe	1 minute
Home Refresh Interval	Now (Last 15 Minutes)
Show As Online Timeframe	
Ice Usage Calculation	Blast Time
Language	English
Time Zone	[UTC +00:00:00] UTC
Show Quick Start on Login	Enabled

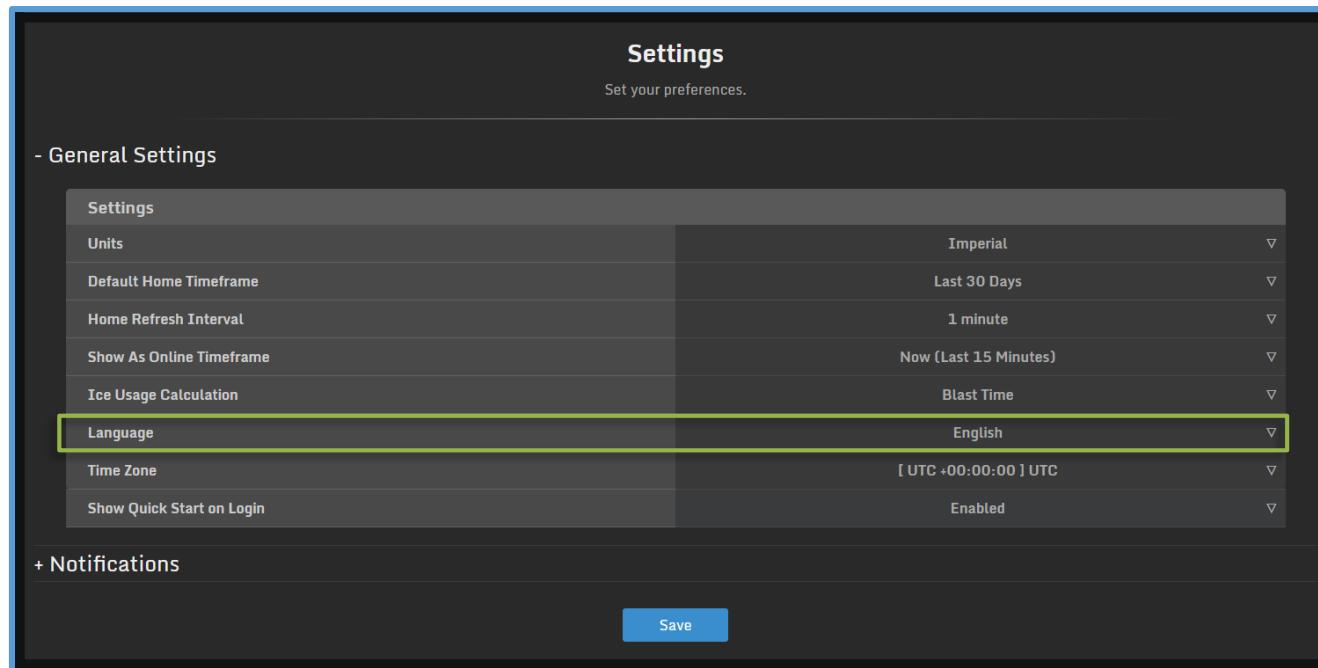
+ Notifications

Save

General Settings (cont.)

- **Language** changes the language of the interface. Options include:

- Brazilian Portuguese
- Chinese
- English
- French
- German
- Japanese
- Polish
- Spanish



General Settings (cont.)

- **Time Zone** changes which time zone any timestamps are presented in. There are 76 different options to choose from.

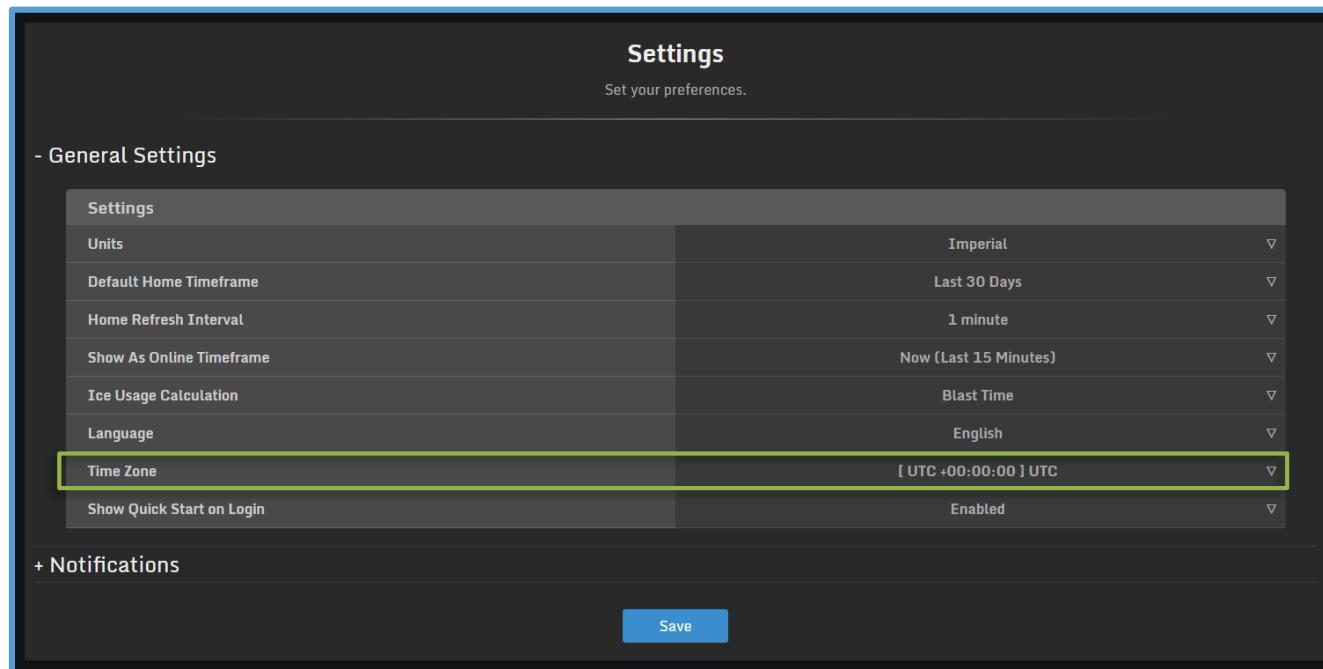
Settings
Set your preferences.

- General Settings

Settings	Imperial
Units	Last 30 Days
Default Home Timeframe	1 minute
Home Refresh Interval	Now (Last 15 Minutes)
Show As Online Timeframe	Blast Time
Ice Usage Calculation	English
Language	[UTC +00:00:00] UTC
Time Zone	Enabled
Show Quick Start on Login	

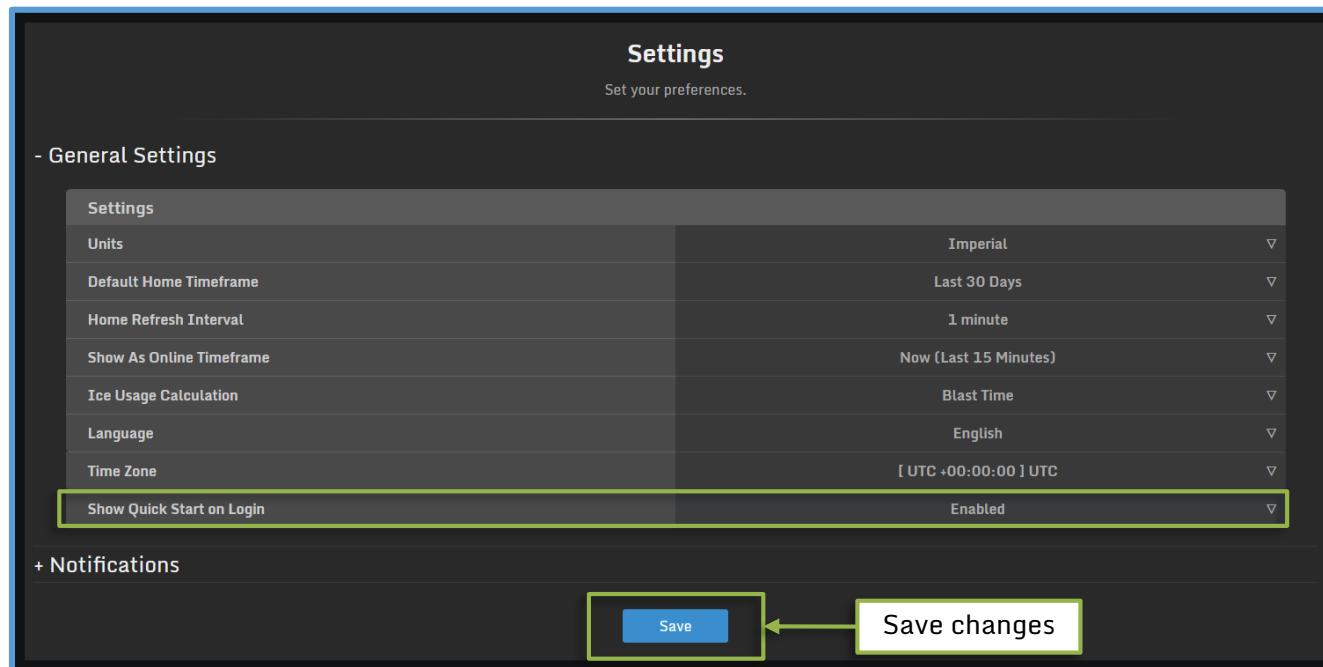
+ Notifications

Save



General Settings (cont.)

- **Show Quick Start on Login** controls the Quick Start Guide popup that displays on login. You are able to disable it by clicking “don’t show again” in the popup, or coming to settings and selecting “Disabled”. To allow the popup to display again, simply change the setting to “Enabled”.
- **Note - you must press Save for the changes to be applied.**



Notifications

- To access notification settings, select the **Notifications** tab.
- To enroll a new email in notifications, click the “Add Enrollment” button.

The screenshot shows a software interface with a dark theme. On the left, a sidebar has two items: '+ General Settings' and '+ Notifications', with '+ Notifications' being the active tab. The main area is titled 'Notification Enrollment'. It contains a table with columns: Email, Group / Serial #, Notification Type, Enroll?, Edit Enrollment, and Delete. There is one row of data: Email is 'reamer@coldjet.com', Group / Serial # is 'All Machines', Notification Type is 'Service Alerts, Monthly Usage Report, Quarterly Usage Report', Enroll? is a checked toggle switch, and there are edit and delete icons. Above the table, a message says 'To enroll in notifications, use the form below.' and an 'Add Enrollment' button is highlighted with a yellow box.

Notification Enrollment					
Email	Group / Serial #	Notification Type	Enroll?	Edit Enrollment	Delete
reamer@coldjet.com	All Machines	Service Alerts, Monthly Usage Report, Quarterly Usage Report	<input checked="" type="checkbox"/>		

Notifications (cont.)

- When adding a new email for notification enrollment, you will be required to fill out the following fields:
 - Email - email address you would like to receive notifications
 - Group/Serial # - group of machines or individual machine that you would like to be notified about
 - Notification type - choice to receive notifications for either firmware updates, service alerts, or both
- Note - you must press Save for the changes to be applied.**

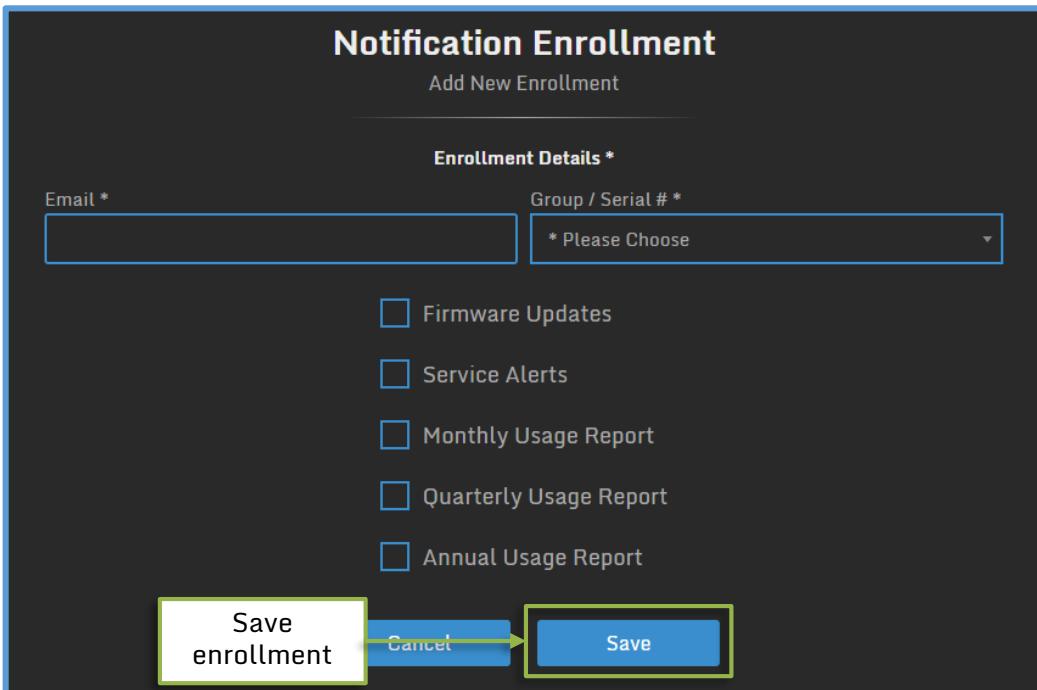
Notification Enrollment
Add New Enrollment

Enrollment Details *

Email *	Group / Serial # *
<input type="text"/>	* Please Choose

Firmware Updates
 Service Alerts
 Monthly Usage Report
 Quarterly Usage Report
 Annual Usage Report

Save enrollment **Cancel** **Save**



Notifications (cont.)

- Current enrollment can be disabled by toggling the “Enroll?” button. Toggling saves automatically.
- You may edit the group/serial # and notification type for your current enrollment by selecting the pencil icon next to the email address desired.
- Enrollment can be deleted by clicking the trash can and confirming removal. This change saves automatically.

Notification Enrollment				
Email	Group / Serial #	Notification Type	Enroll?	
test@coldjet.com	1+101135	Service Alerts, Monthly Usage Report, Quarterly Usage Report	<input checked="" type="checkbox"/> Enable/Disable Enrollment	<input type="button" value="Edit enrollment"/>
test2@coldjet.com	1+101135	Firmware Updates	<input type="checkbox"/> Delete email enrollment	<input type="button" value="Delete"/>

For questions, comments, issues, or suggestions regarding CONNECT® Analytics,
please email iot@coldjet.com