Tigercat®

LOGON™

OWNER'S MANUAL

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GENERAL INFORMATION

Visit the Tigercat web page for LogOn training video.

NOTE:

Passwords are case-sensitive. We suggest that the user set a secure password to prevent unauthorized access to the system.

WiFi Access to LogOn (Owner Account)

Android Tigercat APP

- Turn machine ignition key to on position.
- When connecting to the Tigercat APP from an Android the system will search for available LogOn WiFi networks. If the network showing starts with 'RemoteLog', this is an indication that the machine is not equipped with the LogOn system.
- In this example the **LogOn-11857777** WiFi has been selected and once this connection is established, the user must go back into the Tigercat App and tap on the Launch LogOn button to open the LogOn login page.
- Enter the default Username: **Owner** and the default Password: **Owner7Q**. These are the default factory set credentials and will remain until the owner changes the password.

iOS Tigercat APP (iPhone)

- Turn machine ignition key to on position.
- To connect to the LogOn system from an iPhone via the Tigercat App, tap on Open Settings, and then select any Wi-Fi network that starts with LogOn.
- In this example, we have chosen the WiFi network for **LogOn-11857777**. If the network showing starts with 'RemoteLog', this is an indication that the machine is not equipped with the LogOn system.
- Once the connection has been established, the user must go back into the Tigercat App and tap on the Launch LogOn button to open the LogOn login page.
- Enter the default Username: **Owner** and the default Password: **Owner7Q**. These are the default factory set credentials and will remain until the owner changes the password.

Desktop or Mobile browsers

- Turn machine ignition key to on position.
- To access LogOn from Desktop or Mobile browser start by connecting to WiFi **LogOn-1185777**.
- If the network showing starts with 'RemoteLog', this is an indication that the machine is not equipped with the LogOn system.
- Confirm the Wi-Fi connection.
- Once the connection is established, open the browser and enter address http://192.168.2.1.
- Enter the default Username: **Owner** and the default Password: **Owner7Q**. These are the default factory set credentials and will remain until the owner changes the password.

WiFi Access to LogOn (Operator Account)

- Same process as above only using the default Username: **Operator** and the default Password: **Oper3T.** These are the default factory set credentials and will remain until the owner changes the password.

NOTE:

The following sections are focused on the mobile view of LogOn, so the user may see a slightly different view on desktop, however, both will have the same functionalities.

Permission Access Overview

Tab/Menu	Panel	Description	Owner	Operator	Guest
Dashboard	Activity	Time Bar Graph	Y	Y	N
	Activity	Production Metrics	Y	Y	N
	Activity	Production Summary	Y	Y	N
	Timeline	Fuel Consumption	Y	Y	N
	Timeline	Data Export	Y	Y	N
	Custom Data	Custom User-Defined Data	Y	Y	N
	Status	Current Machine Status	Y	Y	Y
	Status	Data Export	Y	Y	N
Diagnostics	Critical	Critical Code Information	Y	Y	N
	Critical	Data Export	Y	Y	N
	All	All Code Information	Y	Y	N
	All	Data Export	Y	Y	N
	Service History	Record of Service History	Y	Y	N
	Service History	Data Export	Y	Y	N
Information	Geographic	Information	Y	Y	Y
	Geographic	Export Data	Y	Y	N
	Harvester	Harvester Information	Y	Y	N
	Harvester	Data Export	Y	Y	N
	Machine	Service Mode Enable/Disable	Y	Y	Y
	Machine	Export Data	Y	Y	N
	Telematics	Telematics Information	Y	Y	Y
	System	System Information	Y	Y	Y

Tab/Menu	Panel	Description	Owner	Operator	Guest
Documentation		Network Share Reports	Y	Y	N
		Engine Troubleshooting Guide	Y	N	N
		Telematics Manual	Y	Y	N
		Machine Operator's Manual	Y	Y	N
		Service Manual	Y	N	N
Texting Messaging		Texting Accessibility	Y	Y	N
Settings - User	Account	Account Information	Y	Y	N
	Password	Change Operator Password	Y	N	N
	Password	Change Owner Password	Y	N	N
	Preferences	Language, Timezone	Y	Y	Y
	Dashboard	Productivity Metrics	Y	Y	N
	Dashboard	Week Start Day	Y	Y	N
	Dashboard	Timeline Display	Y	Y	N
	Dashboard	User-defined Custom Data	Y	Y	N
Settings - System	Firmware Update	Firmware Information	Y	Y	N
	Firmware Update	Start Update Manager	Y	Y	N
	Firmware Update	Remove All Technical Documents	Y	N	N
	Snapshot Capture	Download/Send Snapshot	Y	Y	Y
	Database	Delete All Data Collected	Y	N	N
	General	Satellite Modem Enable/Disable	Y	N	N
	General	Network Share Enable/Disable	Y	N	N
	General	Tether Mode Enable/Disable	Y	N	N
	General	Check Tether Connection	Y	Y	Y

Tab/Menu	Panel	Description	Owner	Operator	Guest
Settings - System	General	Factory Reset	Y	N	N
	General	Power Off System	Y	Y	Y
Settings – Machine	Service	Service Mode Override	Y	Y	Y
	Inclinometer	Inclinometer Readings	Y	Y	Y
	Battery	Battery Information	Y	Y	Y
Settings - Configuration	General	Configuration Information	Y	N	N
	Geographic	Machine Position Data	Y	N	N
Settings - Data	Export Data	Data Log, Histograms, All Data	Y	N	N
Settings - Remote Access	Text Messaging	Data Plan Information	Y	Y	N
Settings - Engine Diagnostics	Inducement Unlock	Results	Y	Y	N
	Inducement Unlock	Engine Inducement Unlock	Y	Y	N

Icon Legend

	Edit		Scheduled Report
	Single Chevron		Exporting
	Setting		Help
	Text Messaging		Log Out
	Search		Machine Information
	PDF Document		Hamburger Menu
	Troubleshooting Guide		Sorting
	Sorted Icon		Logout
	Home		Activity Tab
	Diagnostics Tab		Documents Tab
	Viewing		Query

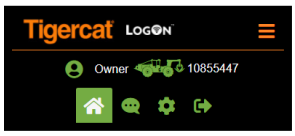
Hamburger Menu

The Hamburger menu, located in the top right corner, provides access to the Main LogOn Menu.

Main LogOn Menu

To display the Main Menu, tap on the Hamburger menu.

From the Main Menu the user can access Home, Texting, Settings and Logout pages.



Tab Menu

There are four Tab menu's and they are located at the bottom of the Home page. These tab options are Dashboard, Diagnostics Messages, Information, and Documentations tabs.

Expanding/Collapsing Panels

- Tap on any panel title bar to expand and collapse information. The user also has the option to expand or collapse panels by tapping tap the up or down-facing double chevrons.
- Where available, scroll up and down to view additional information.

Logging Out

- To logout of LogOn System, select the Hamburger Menu, then the Logout icon. When prompted, tap to confirm logging out of LogOn.

HOME MENU

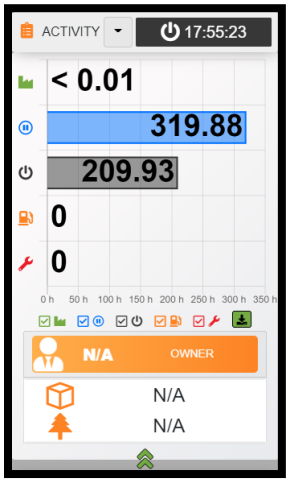
Selecting the Home icon from the main Menu will allow the user to access the Activity, Diagnostics, Product Information, and Documentation tabs. These Tabs are all located at the bottom of the screen.

Activity Tab

The Activity tab provides the user with access to Activity, Timeline, Custom Data, and Status panels.

Activity Panel

From the Activity drop-down, the user can change the date range for the chart data displayed. To choose the date range of the desired information, select one of the following options: Since Last Engine Start, Today, Yesterday, or This Week. Changing this selection changes the data displayed accordingly.



The box located beside the Activity button shows the current activity and the duration of the current activity for the specified machine.

Tapping on the activity line will display the duration that a machine has been functioning in the specified activity. Info displays as hours, minutes, and seconds.
(Format – hh:mm:ss)

Change the Activity options displaying on the screen by checking/unchecking the check in the box beside the activity label located directly below the Activity chart. The fewer activity boxes checked the larger the font of the data displayed on the chart will appear. Available label selections are Production, Idle Time, Shutdown, Refueling, and Service activities.

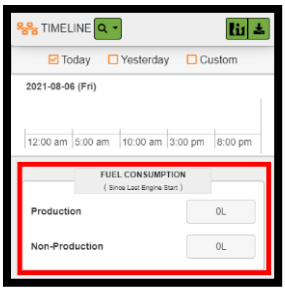
Customize by tapping on the check box to hide or display labels.

To export the Activity data from the screen, tap the download button. On the pop-up window, tap on 'From' to view the calendar. Enter the start date for the range of the data to be gathered. Tap on 'To' to view the calendar to select the end date for the desired time range. From here, select either CSV or XML as the downloading format.

The orange box, located in the lower half of the screen, displays the account information.

Timeline Panel
(Option available on Owner account Only)

To view, scroll down to the Timeline panel, which is located below the Activity panel.



The user may select the displayed timeline as Today, Yesterday or Custom by tapping on the checkbox.

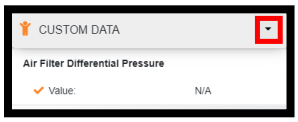
The Timeline graph, located below the checkboxes, displays all the activity of the machines and their durations over the time range selected and displays the current machine status, Start and End of the time of the status, and the Fuel Consumption (since Last Engine Start).

The Fuel Consumption portion of this panel displays the amount of fuel consumed during production and non-production activity. When the engine is running, this section reports the fuel consumption since the last engine start-up.

When the engine is in shut down, this area will report the fuel consumption during the last engine start-shutdown cycle.

Custom Data Panel

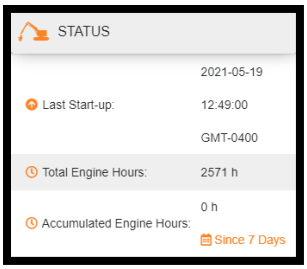
To view, scroll down to the Custom Data sub-menu, which is located below the Timeline sub-menu.



From the drop-down, the user can select from Since Last Engine Start, Today, Yesterday or This Week. This will be the time range used for displaying Custom Data.

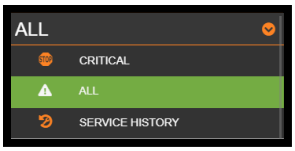
Status Panel

Below the Custom Data panel is the Status sub-menu where the viewable information is Last Start-up, Total Engine Hours, as well as the Accumulated Engine Hours for up to the last seven days.



Diagnostics Tab

Selecting the Diagnostic Tab, located at the bottom of the screen provides the user access to the following sub-menus: Critical, All, and Service History.



To collapse the current view, tap on the title bar located directly below the top display ribbon. For the user's convenience, they are able to sort the information by any of the columns in the tables. Tap on the Sort icon, located beside the desired column to apply sorting. The Sorted icon indicates which column is used to sort the table contents.

Critical and All Sub-Menu

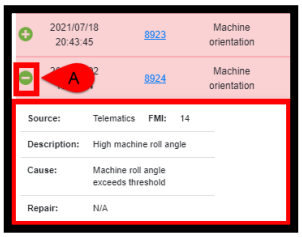
From here, the user can tap the **+** button to expand additional information regarding the code and can tap the **-** button to hide additional code information.

Critical and All Panel

The user can also search by entering the SPN in the Search box and the option is available for the user to download data by tapping on the Download icon.

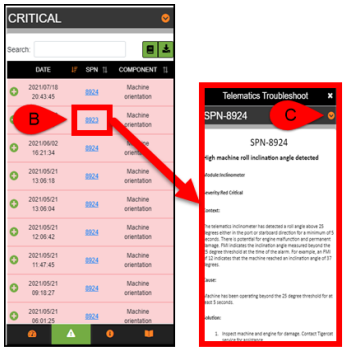
A. Tapping on the **+** button provides a pop-up containing basic info on the SPN.

   To close the pop-up, tap on the **–** button.

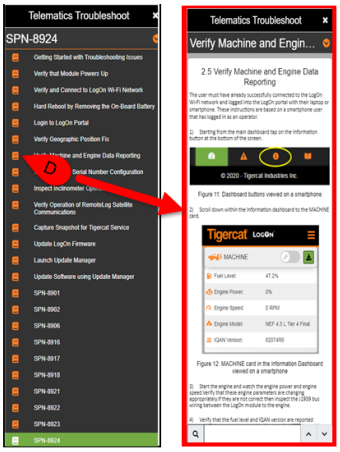


B. Tapping on the <u>SPN</u> provides a pop-up containing the complete SPN information.

C. Tapping the check mark in the upper right corner of this pop-up provides another pop-up displaying the entire troubleshooting guide.



D. Tap on the desired chapter or section title to display that portion of the guide.



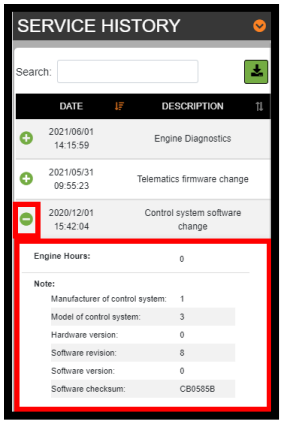
- To close the pop-up, tap the check mark again.
- Tap the X in the top right corner to return back to the SPN Troubleshooting Guide pop-up.
- To close the pop-up, tap the X in the top right corner.

Service History Sub-Menu

The Service History sub-menu provides a quick view of the machines service history and allows the user to download information.

Service History Panel

Tapping on the **+** button provides a pop-up displaying the historical service info. To close the pop-up, click the **–** button.



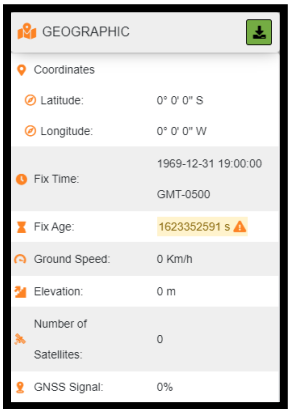
Information Tab

The Information tab provides access to the Geographic, Machine, Telematics, and System Information panels as related to a specific machine.

To scroll, the user can drag the screen up or down. Some of this information can be downloaded from this tab and the user also has the option to move a specific machine in and out of Service Mode.

Geographic Panel

This panel allows the user quick access to a machine's geographic information.



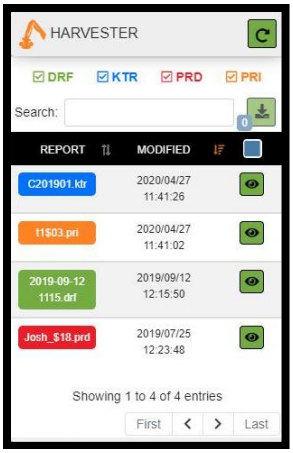
To export Geographic data from the screen, tap the download icon. On the pop-up window, tap on 'From' to view the calendar. Enter the start date for the range of the data to be gathered.

Tap on 'To' to view the calendar to select the end date for the time range of the data.

Select the downloading format.
Format Options: KML, CSV & XML

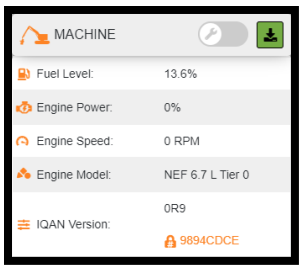
Harvester Panel (where applicable)
(Option available on Owner account Only)

The Harvester panel is accessible if the Net Share Mode was previously enabled on LogOn by an authorized account. This allows report files to be transferred from a Tigercat D5 system to the telematics computer for easy download.



Machine Panel

This panel, located below the Geographic panel, offers a quick view of machine information such as Fuel Level, Engine Power, Engine Speed, Engine Model and the IQAN version.



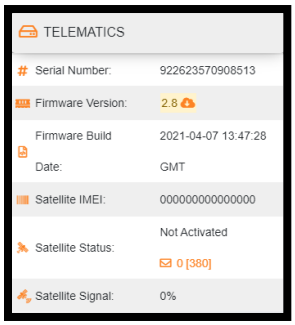
From this panel, the user can change the machine status in RemoteLog to Service Mode by tapping on the Service Mode button. A pop-up will appear advising the user when the Service Mode has changed.

This button will appear in green when Service Mode is enabled and will turn grey when disabled. If the Service Mode is not turned back off (disabled) at the machine the system will automatically turn it back to Disabled status after twelve hours.

To export Machine information from the screen, tap the download icon. On the pop-up, select either CSV or XML format.

Telematics Panel

Below the Machine panel is the Telematics panel.



Here the user is able to view Telematics related information such as Machine Serial number, Firmware Version, Firmware Build Date, Satellite IMEI, Satellite Status and Satellite Signal strength.

The envelope icon, shown in orange, displays the number of messages sent in the last 7 days and the number of current pending messages are displayed between brackets.

System Panel

The last panel listed under the Information tab is the System panel. Here the user can view the current Uptime, Configuration Status, Monitor Version, Monitor Build Date and the OS Version.

The orange calendar button displays time elapsed since uptime.

Document Tab

Enables the user to display available downloadable technical documentation for a specific machine.

Accessing Technical Documents

- To view available technical documents, the user is able to search through the titles of all technical documents pre-loaded on the LogOn system.

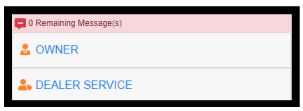
TEXT MESSAGING MENU

The Messages menu gives access to all available conversations.

Messages can be up to 140 characters in length and cannot have attachments.

The possible recipients at the RemoteLog end are Machine Owner, Dealer, Service Representative, Sales Representative and RemoteLog Admin.

Details are displayed such as the current status of the satellite data plan, the number of remaining messages available along with the number of days remaining before the data plan expires.



NOTE:

The text messaging feature does not use SMS texting from the mobile device or mobile provider's data plan. Instead it uses the RemoteLog satellite data plan assigned to that machine allowing for texting between LogOn at the machine and the RemoteLog server and portal.

Text Messaging Legend

Status of Text Transmission	UI Representation	Status of Text Transmission	UI Representation
Queued		Timed Out	
Sent		Cancelled	
Acknowledged		Failed/Max	

Notifications for New Text Messages via LogOn

- The number of new/unread text messages is indicated by the number appearing within a blue bubble located to the left of the Hamburger Menu.

Accessing Text Messages via LogOn

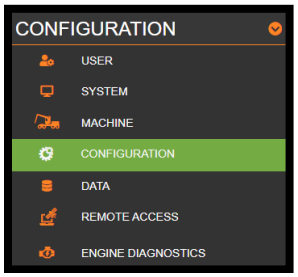
- To access any conversation just tap on any recipient end user and a panel with the last five messages exchanged between this machine and this recipient will appear.
- Scroll up to access the old messages and if the user wants to load more than five older messages, tap on the **+** button.
- To close this conversation and return to the previous panel, tap on the conversation header, and there the user can read any other conversations.

Sending Text Messages via LogOn

- To send a new message just type the text inside the text box located at the bottom of the conversation and then tap on the send icon when the message is ready to be sent.
- The icon beside the timestamp will indicate the current status of the message.

SETTINGS MENU

Selecting the Settings icon from the Main menu allows the user access to the following categories, User, System, Machine, Configuration, Data, Remote Access and Engine Diagnostics.

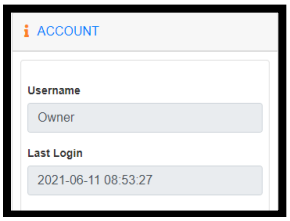


User Sub-Menu

The User sub-menu allows access to the Account, Password, Preferences and Dashboard panels.

Account Panel

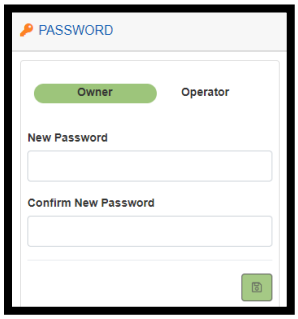
Displays Username and Last Login.



Password Panel
(Option available on Owner Account Only)

Allows owner to change LogOn passwords for the Owner or Operator accounts.

The passwords are stored locally on the telematics module. Therefore, changing a password on one machine will not affect a different machine. The guest account does not require a password. Each machine manages their own passwords.



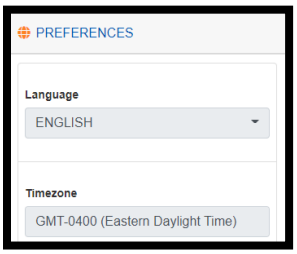
Changing Passwords

- To change a password first select Owner or Operator button, then enter New Password and then enter again under Confirm New Password.
- Tap on the Save icon and a pop-up will display confirming action.
- Enter Owner password to confirm changing an Operator's password.
- Tap the checkmark to complete the action.

Preferences Panel

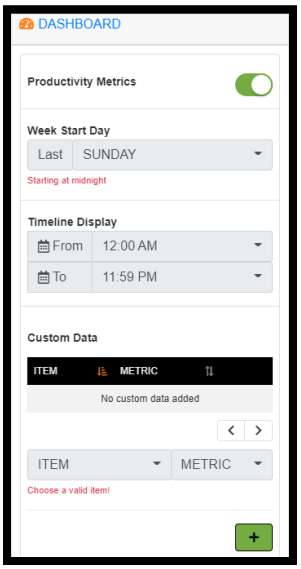
Displays and allows the user the option to change to Language setting, as well as, shows the user's browser Timezone setting.

Click the Language drop-down to change selection.



Dashboard Panel

Allows the user to turn on or off the Productivity Metrics and to set the start date (commencing at midnight).



From the Dashboard sub-menu, the user can view or change the TimeLine Display, as well as, view add or remove the Custom Data information.

- The Production Metrics is activated when displayed in green. Tap on the button to change status to inactive and the button will then turn grey.
- To change the displayed timeline throughout LogOn, select dates from the drop-down beside From and To.
- From the Week Start Day drop-down select the day that starts the week.

Adding/Changing 'Custom Data'

- To add new data items to be displayed within the custom card of the dashboard scroll down to the Custom Data panel.
- Select an item and then the metric from the drop-down menu. Finally click on the **+** button to add the new custom data to the dashboard display.

Removing 'Custom Data'

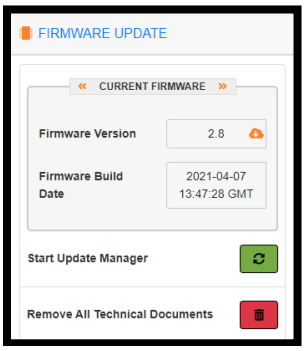
- To remove Custom Data tap on the trash bin icon located beside the Item you wish to remove. A pop-up screen will then prompt user to confirm cancellation.
- Select the Delete icon again to delete Custom Data Item.

System Sub-Menu

The System sub-menu provides access to the Firmware Update, Snapshot Capture, Database, and General panels.

Firmware Update Panel

This panel displays the current firmware installed, operating system version, technical documents and storage space utilized.



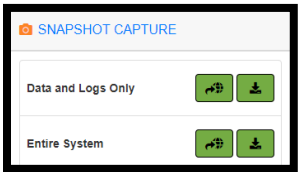
To scroll through this information, tap on the left and right double chevron icons.

The user may also start the Update Manager to upgrade software and upload new technical documents.

The owner user may remove all technical documents from the system.

Snapshot Capture Panel

Allows the user to capture snapshots of the telematics system. These snapshots may be downloaded to the user's mobile device to be emailed to Tigercat service at a later time. Alternatively, they may be sent to Tigercat service directly through tether communications by way of the user's cellular mobile data plan.

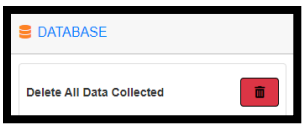


The user's mobile device must be within cellular coverage for this to work.

Both of these options are available for both Data and Logs only or for the Entire System.

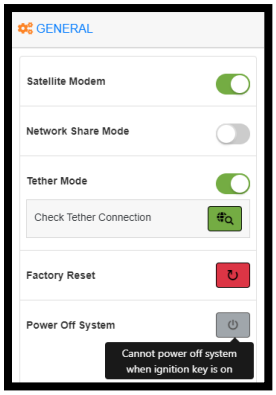
Database Panel
(Option available on Owner account Only)

Provides the owner with the option to Delete All Data Collected for a specific machine by tapping on the provided Delete icon.



General Panel

Allows the user to turn on or off the satellite modem if equipped, enable or disable network share, check tether connection availability, issue a reset to factory defaults and power off the system. The quantity of data used is very minute. (Approximately 100 KB per month).



Tether option allows for the telematics system to transmit messages which would be otherwise sent via satellite across the mobile cellular network of the LogOn user's mobile device.

If telematics detects that someone has connected to the Wi-Fi LogOn portal of the machine it will try to contact the RemoteLog server. If it succeeds then it will send information about the machine through the mobile device of the user.

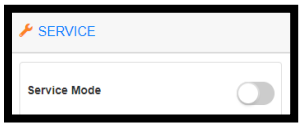
If a machine is not equipped with a satellite RemoteLog modem then this enables telematics to transmit the data through this communication channel and the user will see their machine activity within RemoteLog as if it did have a satellite mode.

Machine Sub-Menu

Allows the user access to Service Mode, Inclinometer and Battery information.

Service Panel

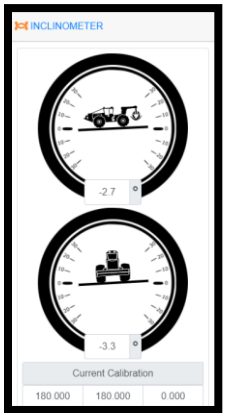
Allows the user to toggle Service Mode on or off by tapping the toggle button such that fault codes from the machine are not sent to RemoteLog.



If the Service Mode is not turned back off (disabled) then the system will automatically disable Service Mode after 12 hours.

Inclinometer Panel

Displays machine pitch and roll (slope) angle status.

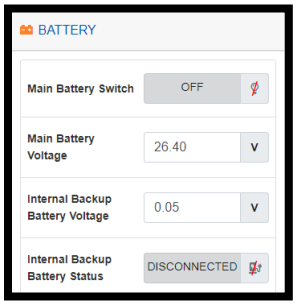


Pitch - indicates the front to back motion of the machine.

Roll - indicates the side-to-side motion of the machine.

Battery Panel

Displays the battery related information, such as, Main Battery Switch position, Main Battery Voltage, Internal Backup Battery Voltage and Internal Backup Battery Status.

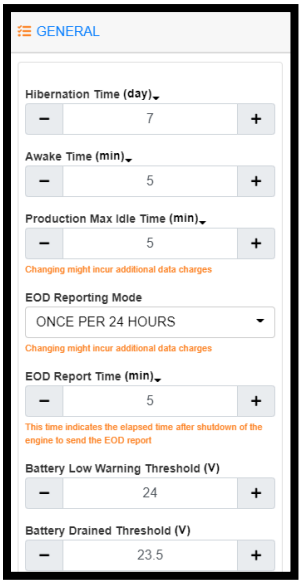


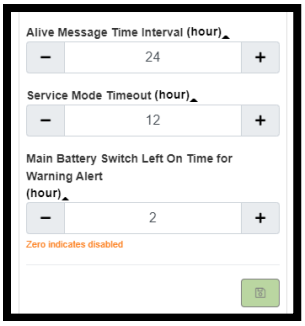
Configuration Sub-Menu

Allows the user access to the General and Geographic panels.

General Panel

From this panel the user can set the Hibernation, the Awake and Max Idle time along with the EOD Reporting Mode.





From this location, the user can also change the Battery thresholds. To scroll the user can drag the screen up or down.

Where applicable, the user can select the drop-down arrow next to the units to change the granularity of the adjustment increment and decrement buttons.

NOTE:

Any changes to this section must be saved by tapping the Save icon located at the bottom of the panel.

Hibernation Time - Depicts the programmable time to fully power off the telematics system where it no longer wakes up periodically to perform system checks. Full power off function stops when ignition key is 'On'. Interval options for this are minute, hour or day. Select the **+** and **-** buttons to make any adjustments or enter the value in the box.

Awake Time - Depicts the programmable time to keep telematics module powered up after key off. Interval options for this are minute or hour. Select the **+** and **-** buttons to make any adjustments or enter the value in the box.

Production Max Idle Time - Depicts the elapsed time while in production state before transitioning to idle if all conditions indicate that machine is idle.

Interval options are second or minute - Select the **+** and **-** buttons to make any adjustments or enter the value in the box.

EOD (End of Day) Reporting Mode - Allows the user to select preferred timing options to receive report. A variety of report delivery times is available by tapping the drop-down.

EOD (End of Day) Report Time - Indicates the elapsed time after shutdown of the engine to send the EOD report. Select the **+** or **-** buttons to make any adjustments or enter the value in the box.

Battery Low Warning Threshold - Allows the user to ajust the voltage threshold for receiving alerts.

Battery Drained Threshold - Voltage threshold at which the main machine batteries are deemed to be drained and in danger of being damaged or not being able to start the engine. This threshold is used to trigger sending critical fault code SPN 8904 to RemoteLog.

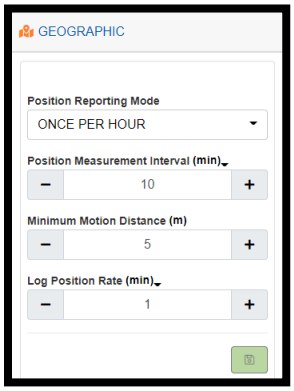
Alive Message Time Interval - The time interval between the telematics module wake ups to send an alive message to RemoteLog when the ignition key is off.

Service Mode Timeout - The longest time that the system keeps service mode enabled before automatically switching it off. Used when the user forgets to switch off service mode after some service or maintenance work was performed.

Main Battery Switch Left On Time for Warning Alert - The time interval the system waits when the machine main disconnect switch is left on and the engine ignition key is off before sending out a warning SPN 8920 to RemoteLog. This is intended to prevent the operator from leaving the main disconnect switch on and draining the batteries unnecessarily.

Geographic Panel

The Geographic panel is found below the General panel and allows the user to adjust the current parameters such as Position Reporting Mode, Position Measurement Interval, Minimum, Motion Distance and Log Position Rate.



NOTE:

The user must tap the Save icon located at the bottom of the panel to complete the action.

Position Reporting Mode - Satellite reporting mode used for geographic locations. Drop-down offers a variety of options.

Position Measurement Intervals - Time interval between geographic positions for satellite reporting. Interval options are second or minute. To adjust select the **+** or **–** buttons or enter the value in the box.

Minimum Motion Distance - Minimum distance that a machine must move before the system logs a new geographic location. Information shown in meters. To adjust select the **+** or **–** buttons or enter the value in the box.

Log Position Rate - Frequency at which the on-board database logs the geographic position. Interval options are second or minute (default is every 60 seconds). To adjust select the **+** or **–** buttons.

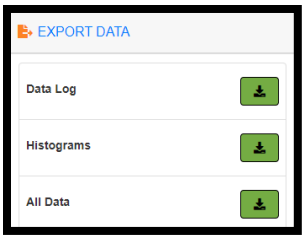
Data Sub-Menu
(Option available on Owner account Only)

Offers the user the option to download Data Log, Histograms or All Data by selecting the Download icon located beside desired option.

A pop-up will appear with option to enter 'From' and 'To' dates, as well as, the option to download in either CSV or XML format.

Export Data Panel

This panel allows the Owner to export Data Log, Histograms and All Data.



Data Log - Single data points from the on-board database.

Histograms – A graphical display of the summarized data grouped by occurrences in each indicated value range.

Histograms data is taken from the on-board database.

Example: the maximum engine speed is a single data point. While a tally of the engine speeds in pre-defined ranges of an engine, RPM's listed under Histogram data.

All Data - Includes the Geographic, Histogram, log and machine data all in one single report.

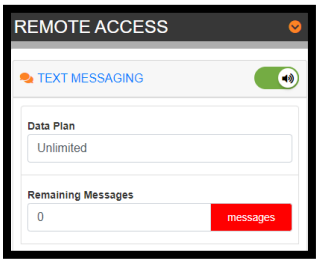
Exporting Data

To export machine activity data, tap the appropriate Download button. On the pop-up tap on the 'From' to view calendar and enter start date for the range of the data to be gathered.

Tap on the 'To' to view calendar to select the end date for the range of the data gathered. Downloading format options are CSV or XML.

Remote Access Sub-Menu

This Remote Access sub-menu takes the user to the Text Messaging Panel.



Text Messaging Panel

This panel offers the user the ability to turn the sound notification for a new message on and off. This does not de-activate text messaging since texting is always enabled and cannot be turned off. The button will appear green when Text Messaging sound notification is turned on and grey when it is turned off.

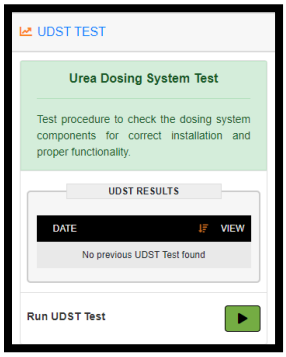
The user is also able to view information on the Data Plan and see the current number of remaining available messages, as well as, the Expiry Date of the current plan.

Engine Diagnostics Sub-Menu

From this Sub-Menu the user has access to the Inducement Unlock Panel.

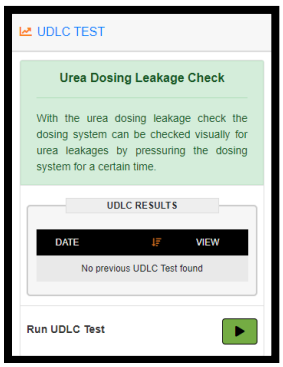
UDST Test Panel

Urea Dosing System Test – test procedure used to check the dosing system components for the correct installation and proper functionality.



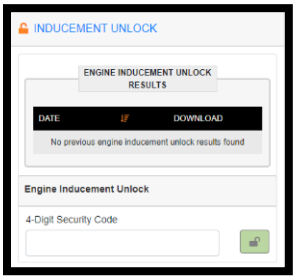
UDLC Test Panel

Urea Dosing Leakage Check – procedure for technician to visually check the dosing system for urea leakages by pressuring the dosing system for a certain time.



Inducement Unlock Panel

Upon direction from Tigercat Service the Inducement Lock may be used to unlock the engine once a malfunction has been resolved. Secure access code is required to execute this routine.



Performing Engine Inducement Unlock

- To perform an Engine Inducement Unlock, the user needs to enter the 4-Digit security code obtained from Tigercat Service and tap on the unlock button.
- A pop-up will open to show the progress of the process and the user can cancel the process at any time by tapping on the stop button.
- In the end, once completed, the user can download the results by tapping the download button from the pop-up. The document will be saved to the user's mobile.