LDARtools

Version 4.0

Chateau Mobile Training Manual

Rev. Date: October 8, 2025

This manual concerns versions of Chateau Mobile released 10/1/2025 and later.

To confirm this is the most current version, please refer to the Chateau Mobile Training Manual article in the *Chateau Mobile* section of the Chateau Knowledge Base.

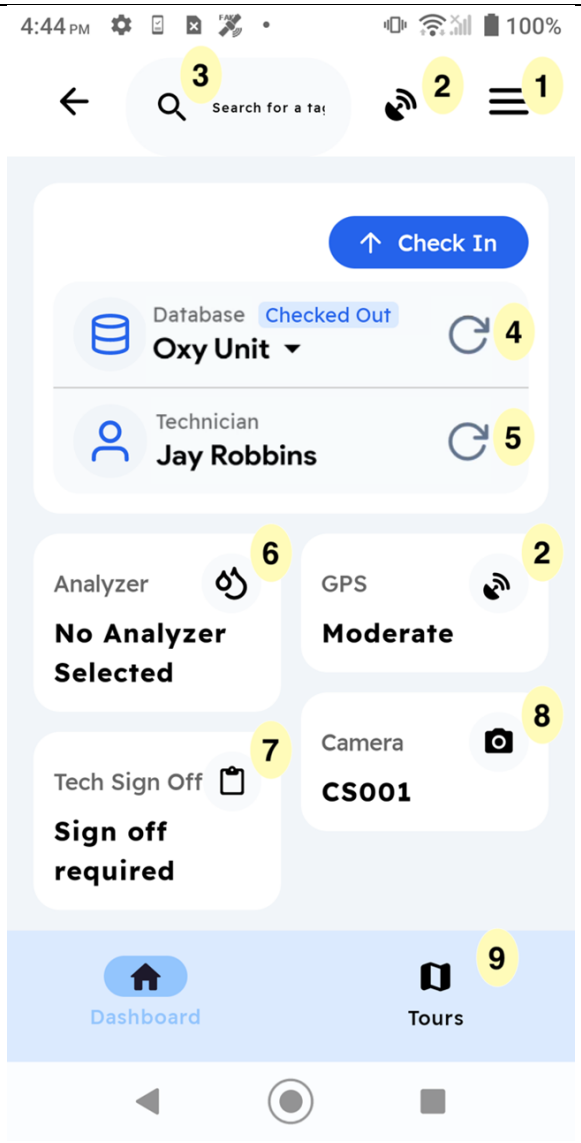
Table of Contents

Installing Chateau Mobile

For instruction on how to install Chateau Mobile using Google Play, Apple Store, or an APK File, visit the Knowledge Base (https://help.ldartools.com/) and search "Installing Chateau Mobile".

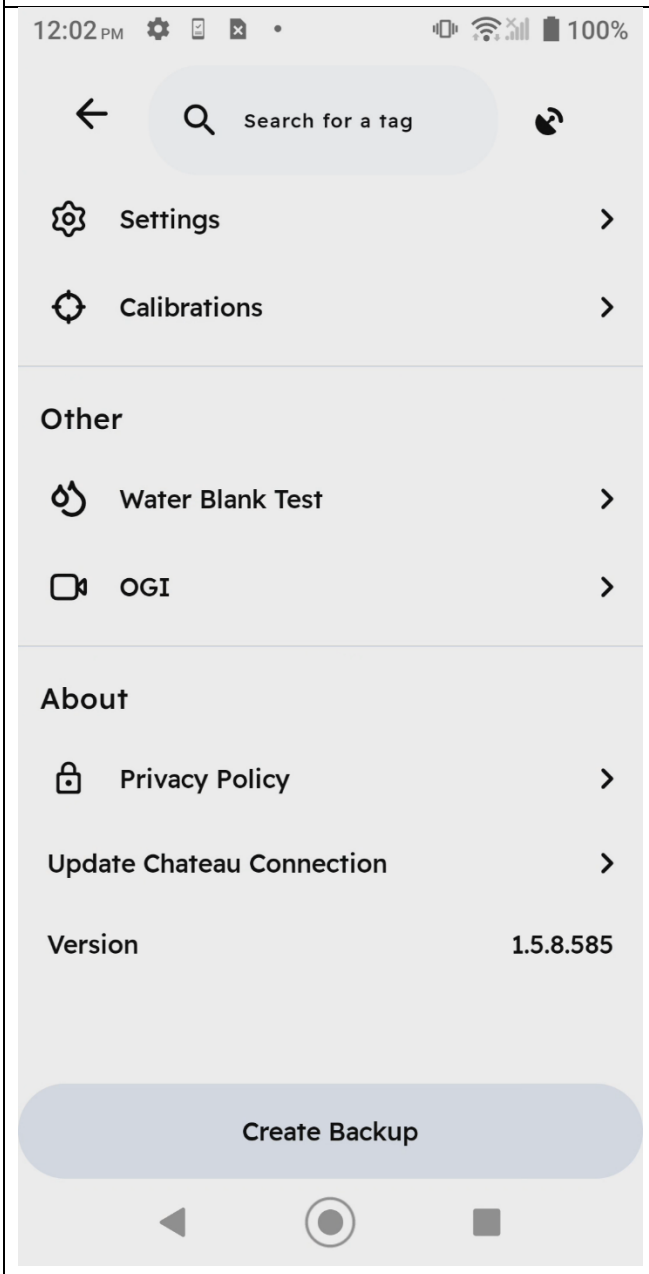
Getting Started

The Dashboard



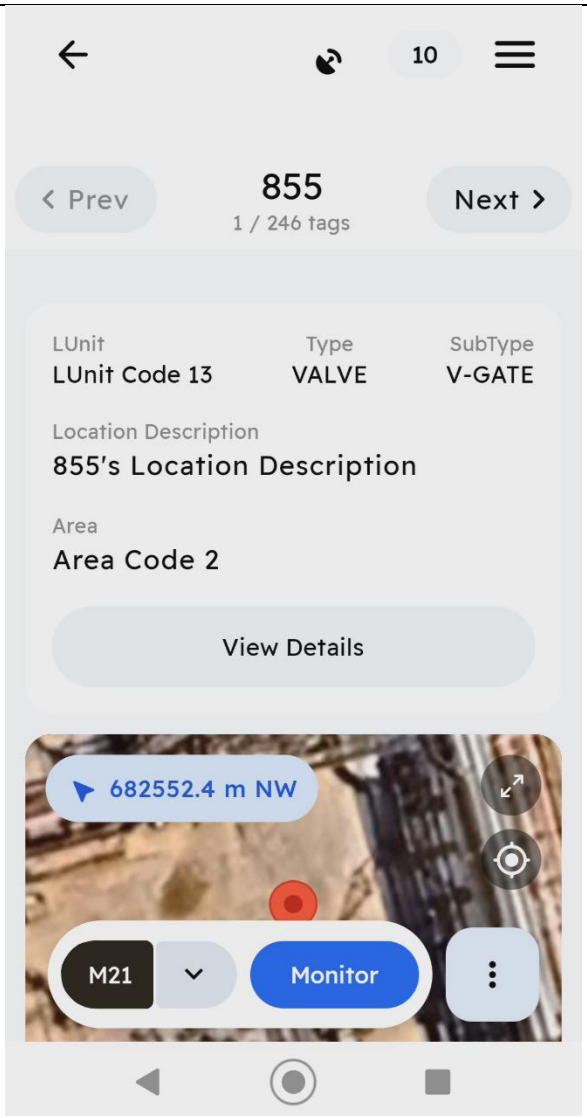
1. Main Menu (AKA, The Hamburger).
2. Satelite Signal – Shows the hadnheld is receiving a GPS satelite signal. Visable on all screeens, card also inicates signal strengh.
3. Search Bar – Used for finding specific tags.
4. Database – Select the Chateau Database. Tapping on the circular arrow will refresh this option.
5. Technician – Select the Technician performing inspections with this handheld (must be assigned to the database used above). Tapping on the circular arrow will refresh this option.
6. Analyzer – Select an analyzer used for M21 inspections.
7. Technician Sign Off – Used at Check In to certify inspections performed, this is Database specific and will only appear if enabled.
8. Camera – For OGI Inspections, this card only appears after your 1st OGI inspection in this session.
9. Tours – Access Tours.

The Main Menu (Hamburger Menu)

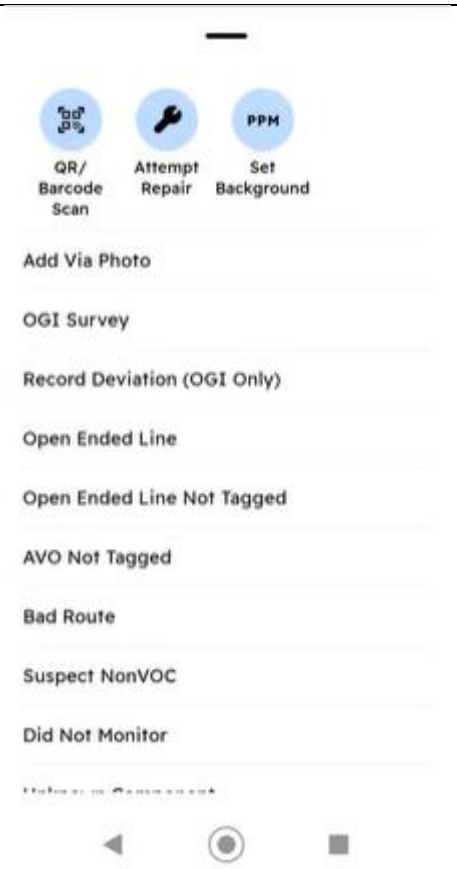


1. Settings – General setting for Chateau Mobile and Handheld.
2. Calibrations – Used when calibrating analyzer.
3. Water Blank Test – Used for Cooling Tower monitoring.
4. OGI – Used to perform OGI Sensitivity Test.
5. Update Chateau Connection – Tapping this will open the Chateau Connection screen where the user can update login information.
6. Create Backup – Chateau Mobile automatically backs up data every 15 minutes. The data can also be backed up at any time by tapping here.

Action Menu

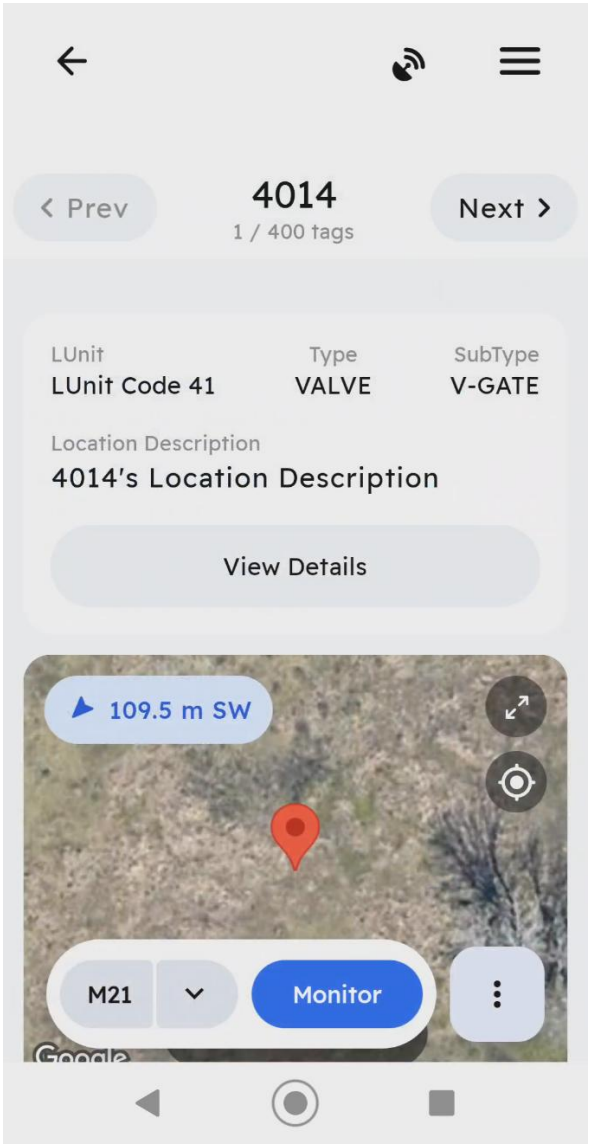


The action menu can be accessed by tapping the three-dot icon in the bottom-right.

	From there, the user can select from many features:
Add via photo	Allows you to promptly add a component utilizing your device's camera.
OGI Survey	Used to begin and end the OGI survey of an area and allows the Tech to record specific environmental details before and after the survey, if required.
Record Deviation	An OGI-specific feature allowing you to document when the ability to take a proper OGI image is inhibited.
Cooling Tower Inspection	Allows techs to promptly perform Cooling Tower monitoring on a component
Field Events	**The list of field events below may or may not be enabled in your database. If enabled, they can be accessed through the Action Menu.**
Open Ended Line	Allows for the reporting and tracking of Open-Ended Lines
Open Ended Line Not Tagged	Allows for the documenting of an open ended line not tagged
AVO Not Tagged	Enables the tech to collect information about an AVO that may or may not be tagged, and take specific actions in response to the AVO.
Bad Route	Allows the tech to report badly-routed components for follow-up and resolution
Suspect NonVOC	Allows you to report a tagged component suspected of not being in VOC service.

Did Not Monitor	Picklist enabling you to specify why an assigned component was not monitored.
Unknown Component	Report a tagged component the tech suspects might not be in VOC service
Missing tag	Allows techs to report missing tags during routine monitoring

Quick View

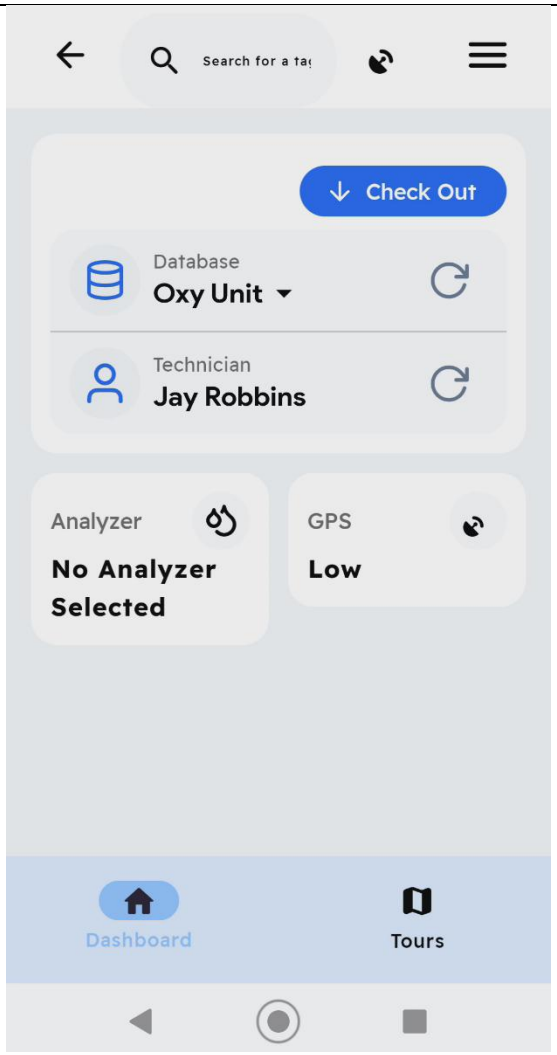


The Quick View Screen displays details about a component such as Tag ID, LUnit, Component Type, Subtype and Location Description. Additional details may be found by Tapping **View Details**.

Notes:

- Tapping **< Prev** will bring up the previous component in the route.
- Tapping the back arrow will exit Quick View and return to the component list.

Checking Out

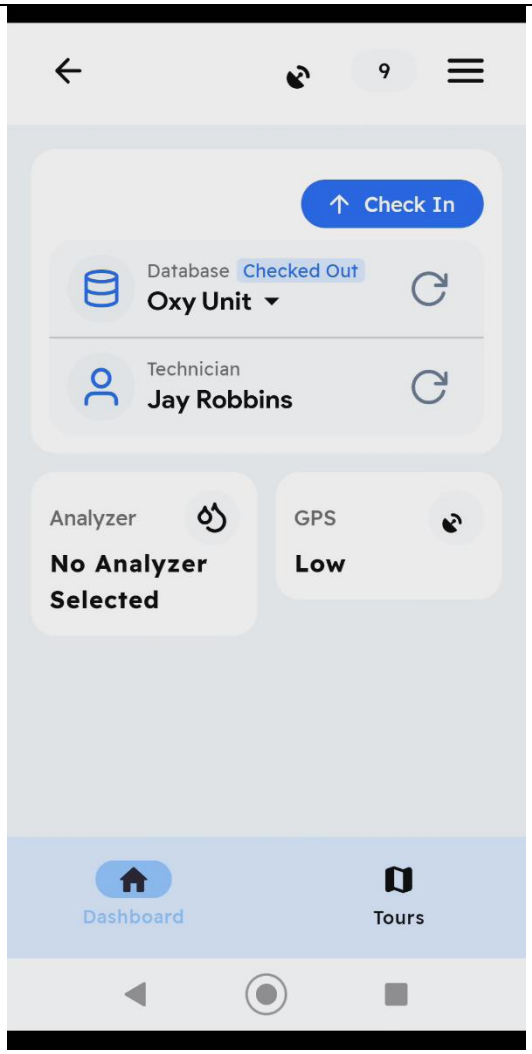


To Check out a Tour and begin using Chateau Mobile:

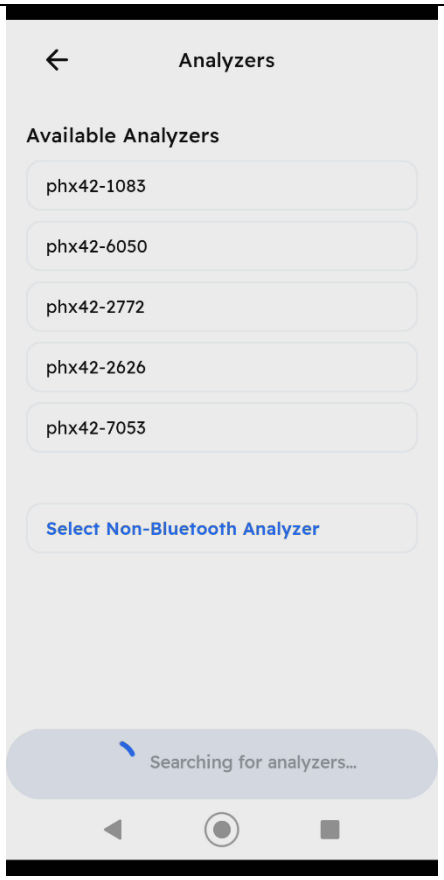
1. Select the database to be used by tapping the drop down for “Database”.
2. Select the Technician to perform inspections by tapping the drop down for “Technician”.
3. Tap Check out.
4. Processing screen will appear. Tap Done once all steps are completed.

   Note: Tours must be assigned to a Technician in Chateau in order to be available for check-out.

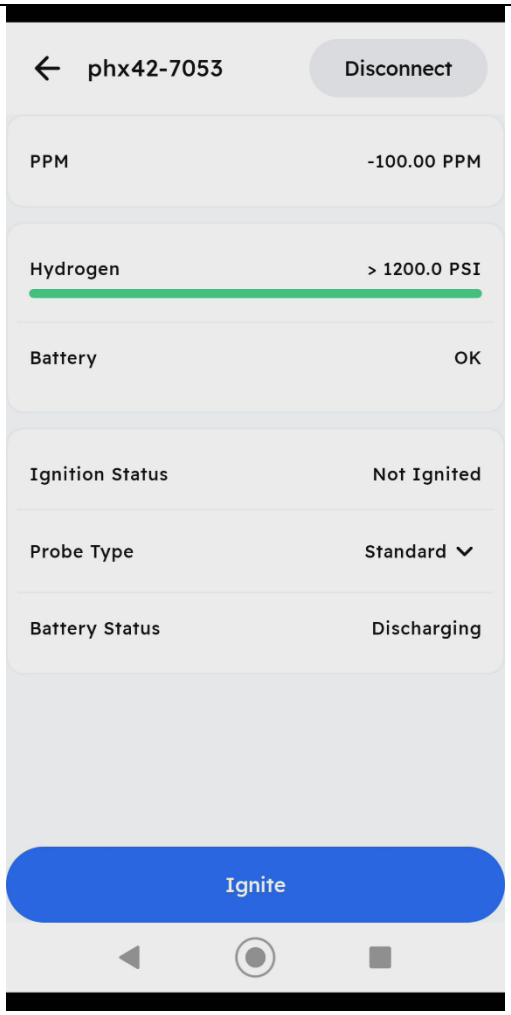
Selecting an Analyzer



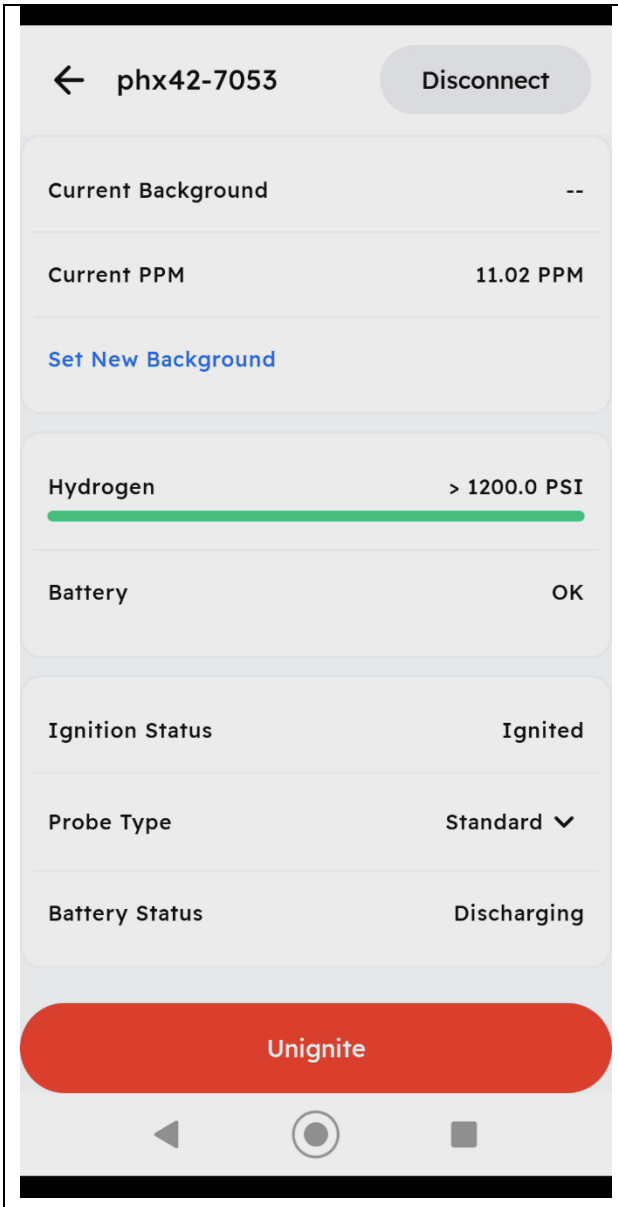
1. If your tours include M21 inspections, select an analyzer by tapping the **Analyzer** card.



2. Tap on the analyzer to be used for the inspections



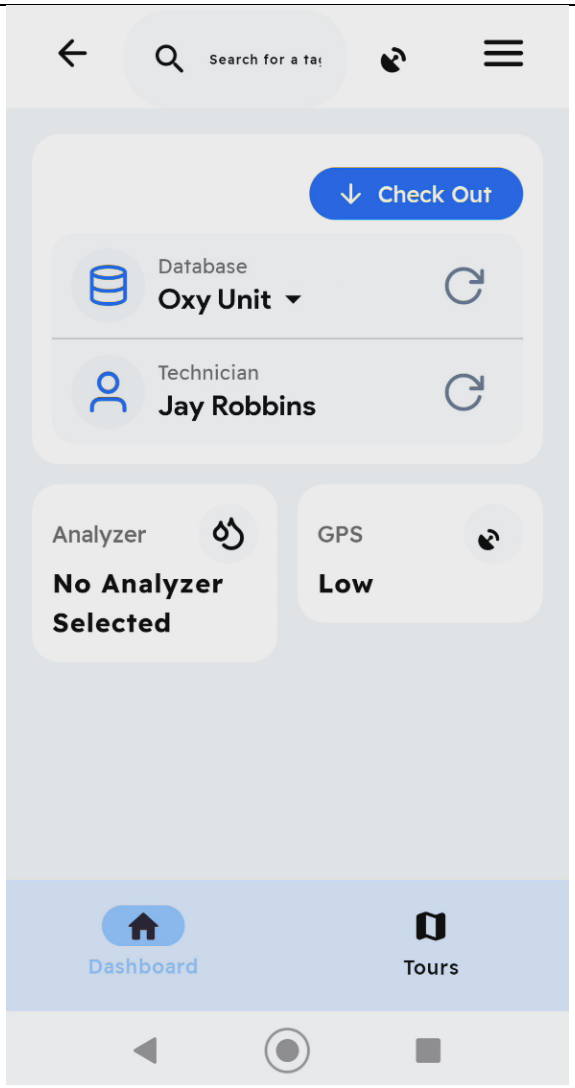
3. Tap **Ignite**



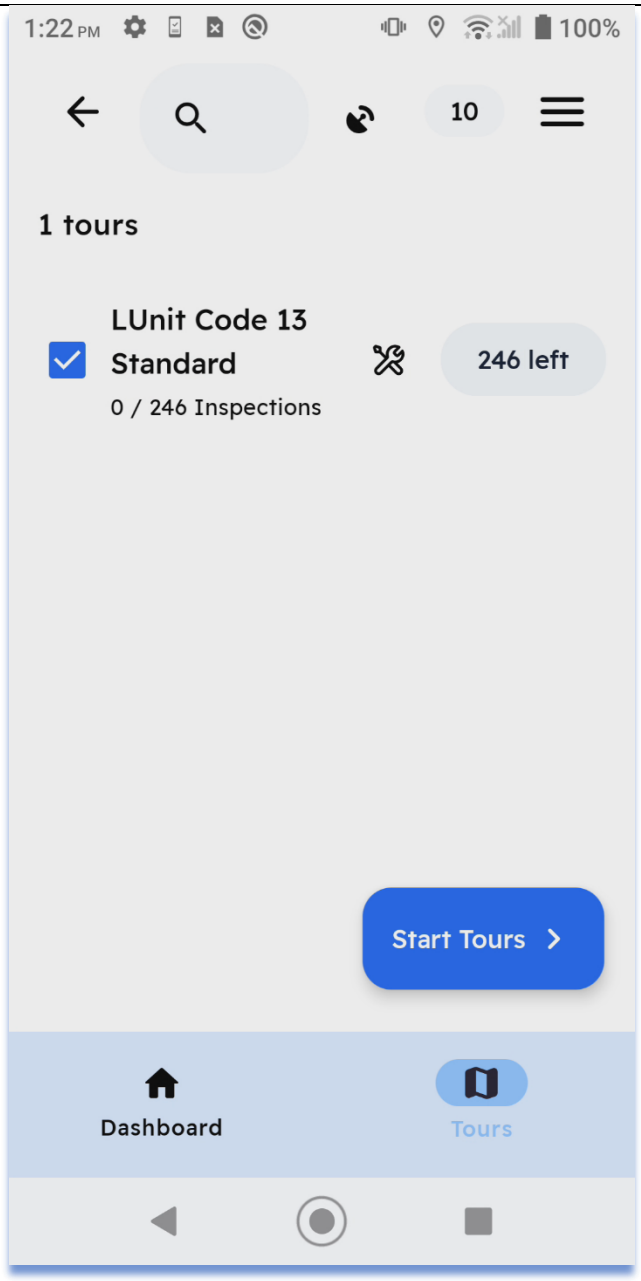
4. Tap Set New Background
5. Tap the back arrow to get to the dashboard

Navigating Tours

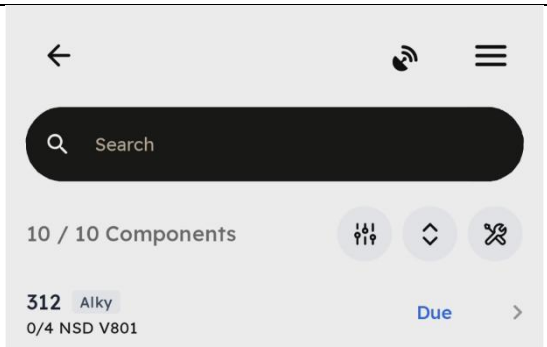
Click or scan the QR code for a video tutorial on Tour controls



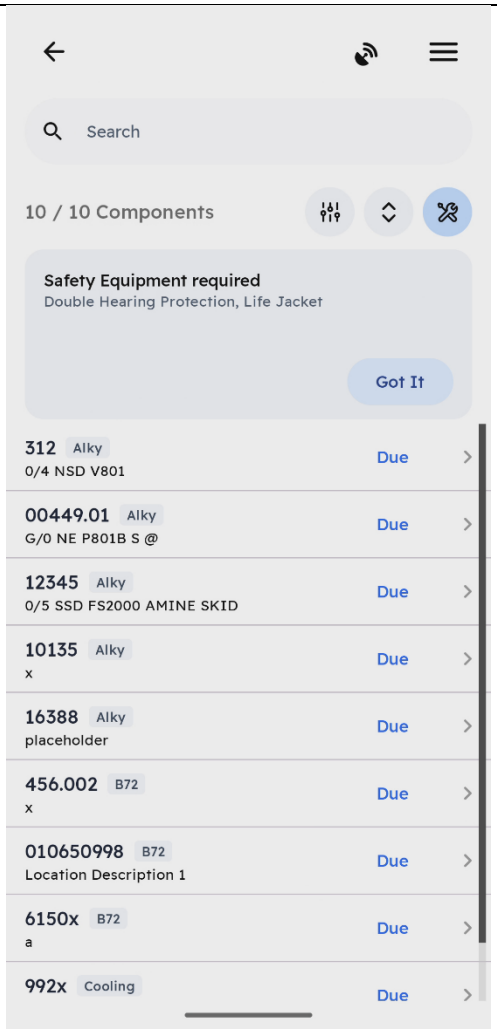
Tap the **Tours** icon at the bottom right to view and select your tour(s).



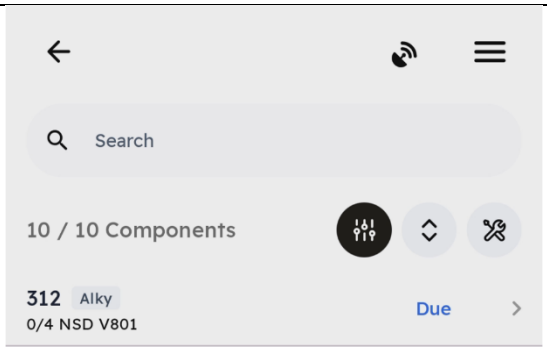
1. Select the tour(s) you will be inpecting today.
2. Tap “Start Tours”



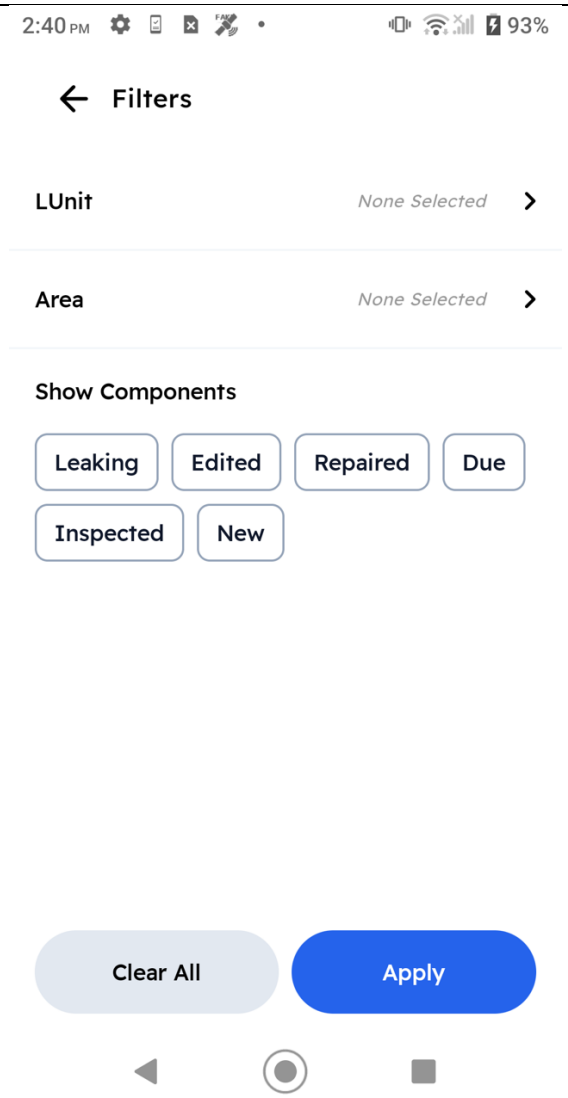
1. To search for a specific component, or a set of components, type the desired criteria in the **Search** bar.
2. Components matching the entered criteria will be listed below. Tap the desired component to display details.



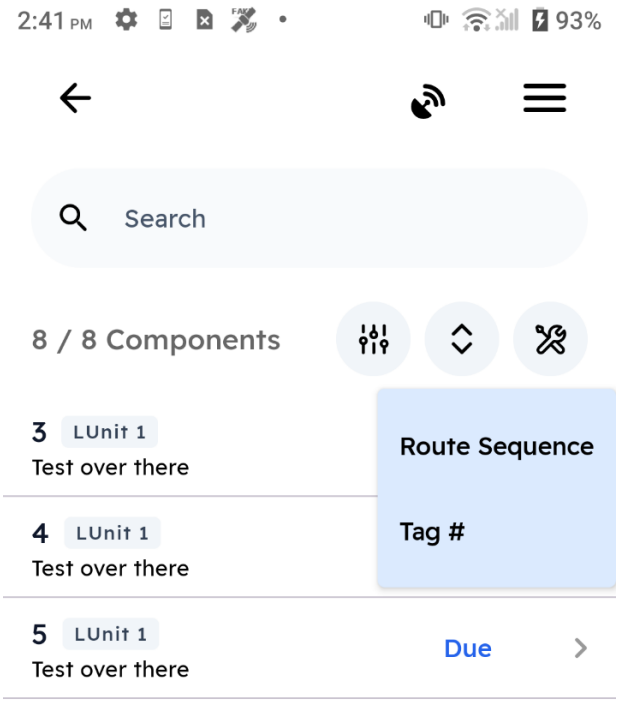
1. Acknowledge the Safety Equipment notice by tapping the **Got It** button (if enabled).



3. To filter components in the tour, tap the **Filter** icon.



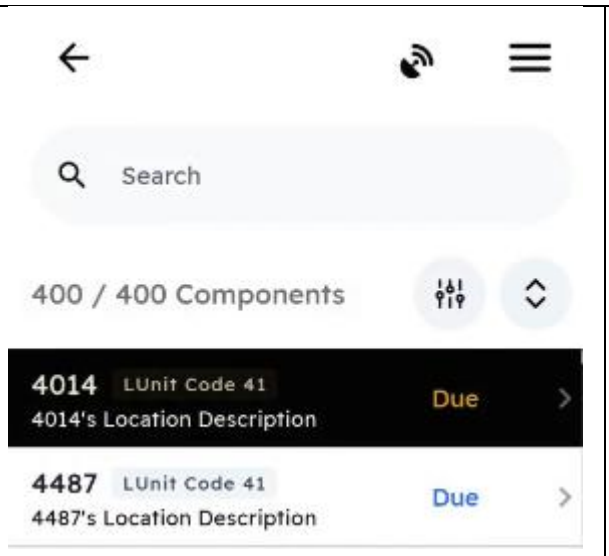
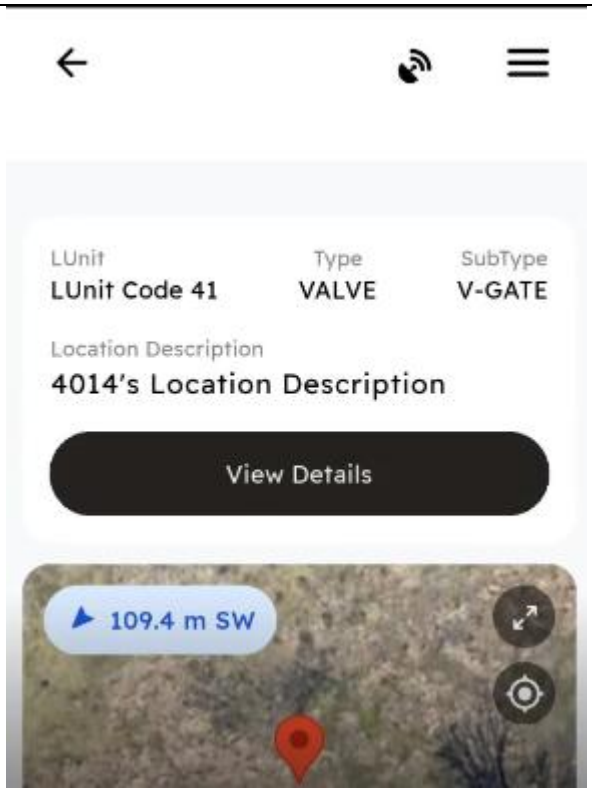
1. From the filter screen, components can be filtered by LUnit and/or Area.
2. Filters can be further refined by tapping the leaking, Edited, Repaired, Due, Inspected, or New icons.
3. Once the desired filter has been set, tap **Apply** at the bottom-right.
4. To clear an existing filter, tap **Clear All**.

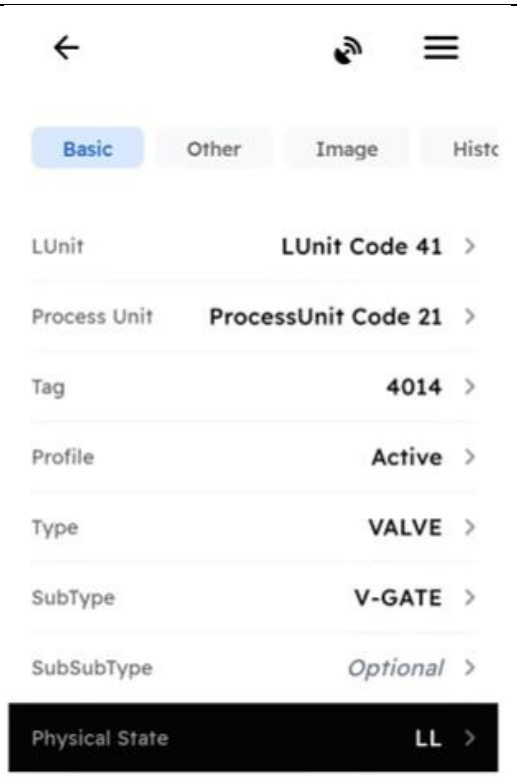


5. To sort components, tap the **Sort** icon. Components can be sorted by Route Sequence or Tag #.

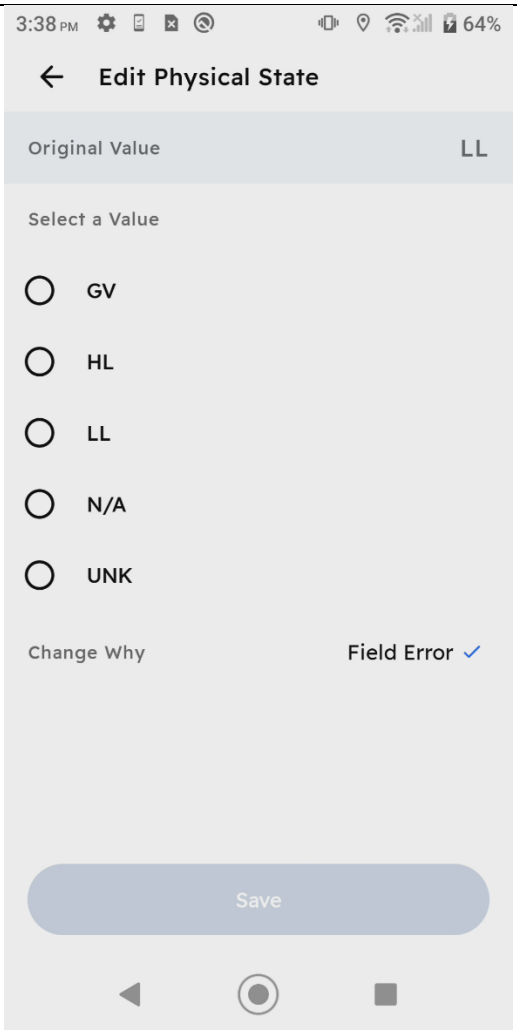
Editing Component Information

Click or scan the QR code for a video tutorial on editing component details

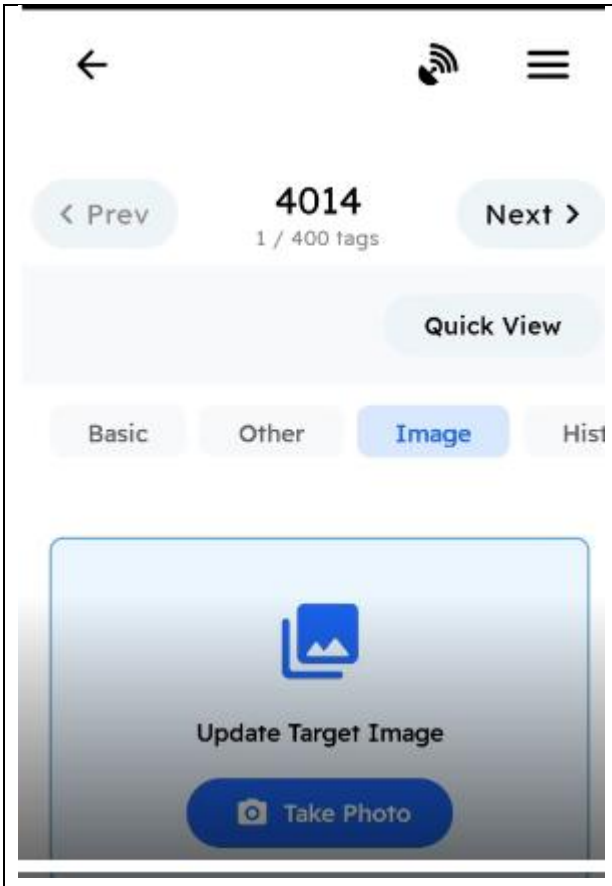
	1. To Edit component information, tap the component to be edited in the tour.
	2. Tap the **View Details** button.



3. Tap the **Property** to be edited.



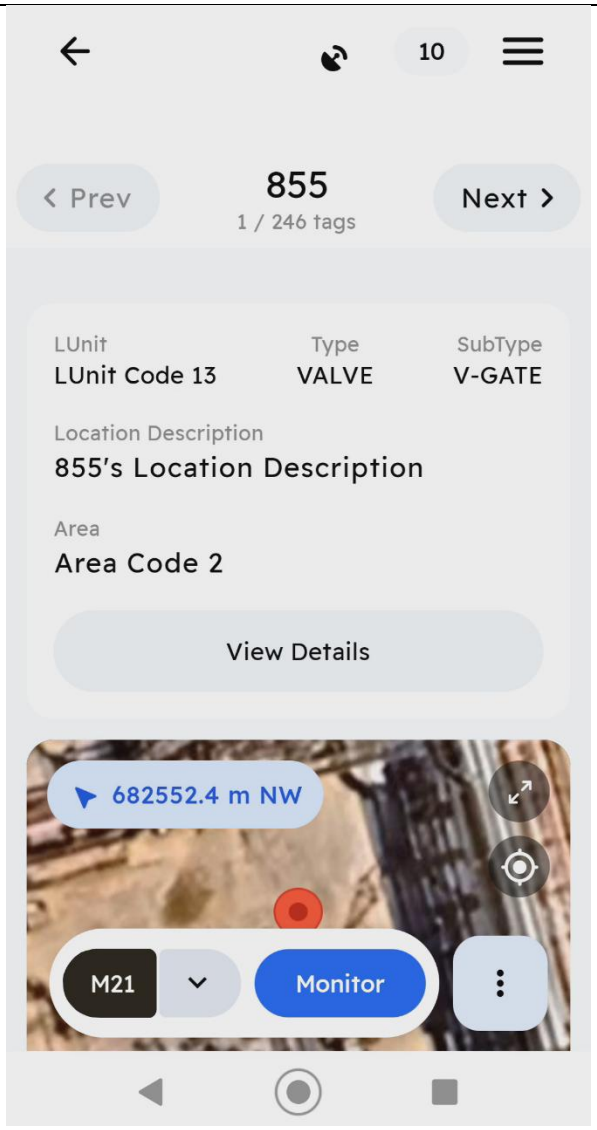
4. Select the desired value.
5. Tap the **Change Why** button, and select the reason for the change.
6. Tap the **Save** button.



7. To update the **Target Image**, tap the Image button.
8. Tap the **Take Photo** button.
9. Using the device's camera, take a new photo.
10. Use the annotation tools to add any enhancements to the photo.
11. Tap **Save**.
12. Tap **Quick View** button to return to the tour.

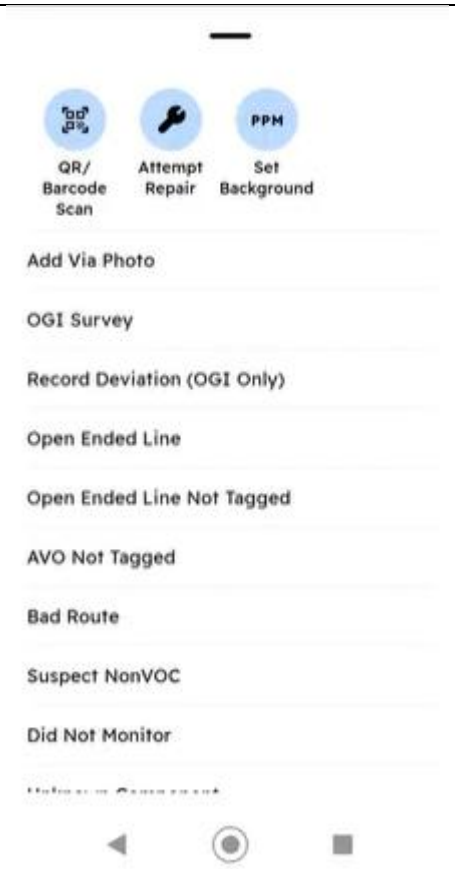
Method 21 Inspections

Click or scan the QR code for a video tutorial on what an M21 Technician needs to know

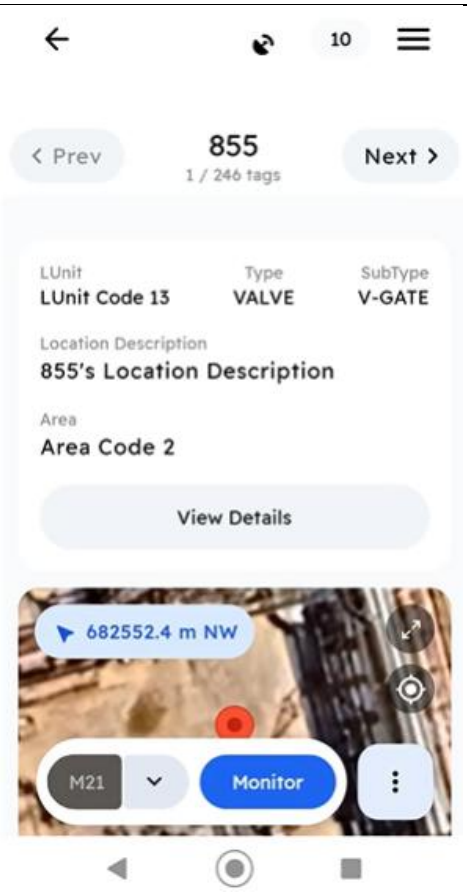


1. Prior to performing Method 21 Inspections, set the background reading for the analyzer

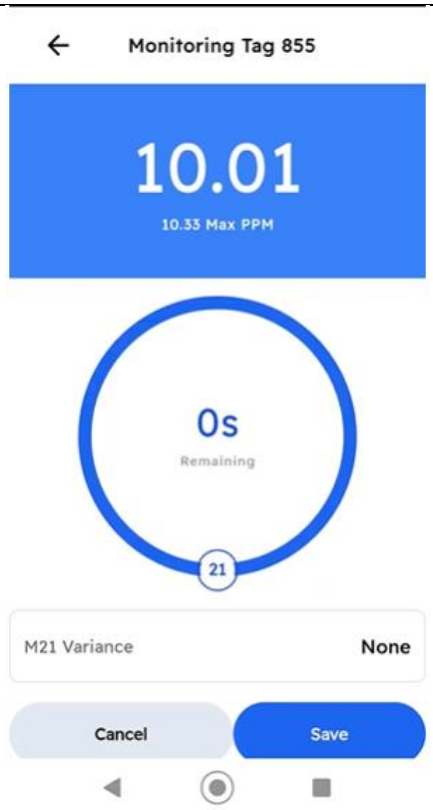
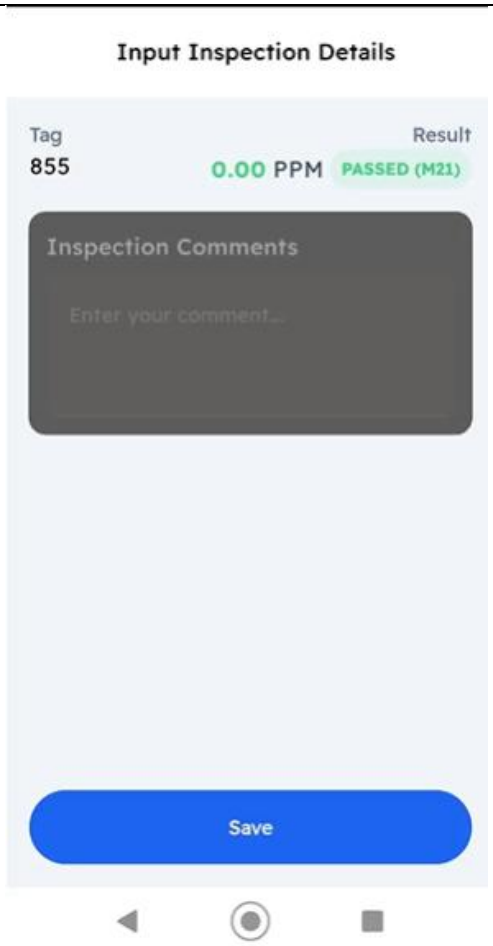
2. From the **Component Quick View Screen**, Tap the **Action Menu** on the bottom right (three dots)

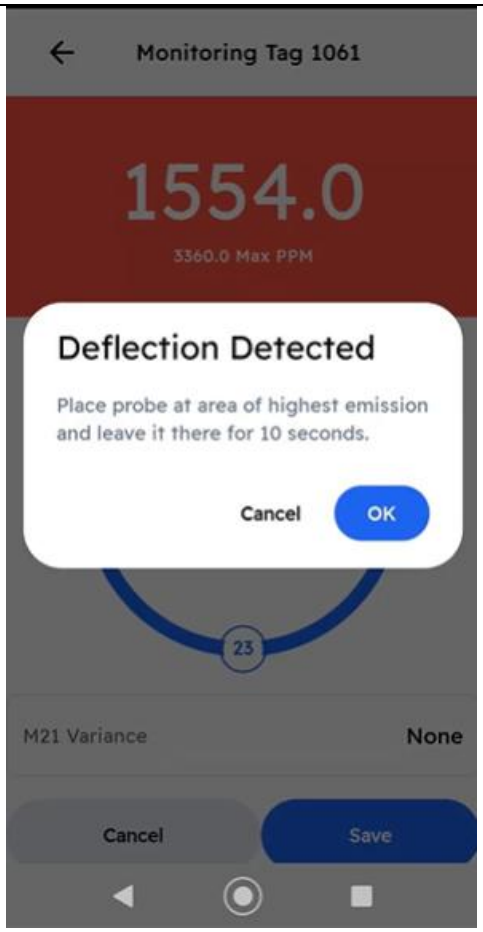


3. Tap Set Background
4. Follow onscreen instructions to set background

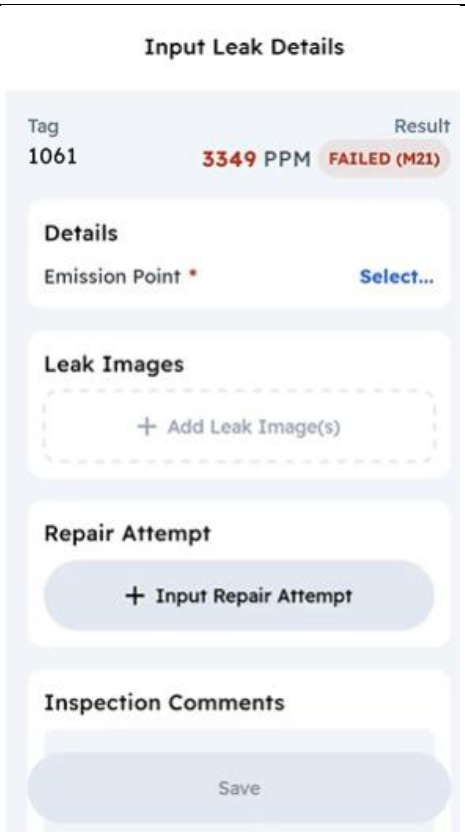


1. From the Tour list, tap the component to be inspected.
2. Make sure that M21 is selected as the inspection type
3. Tap the Monitor button

	1. Inspect the component in accordance with Method 21. At a minimum, you must inspect the component until the timer goes to 0. 2. Tap the **Save** button.
	1. Review the monitoring results. 2. Record any comments (optional) 3. Tap the **Save** button



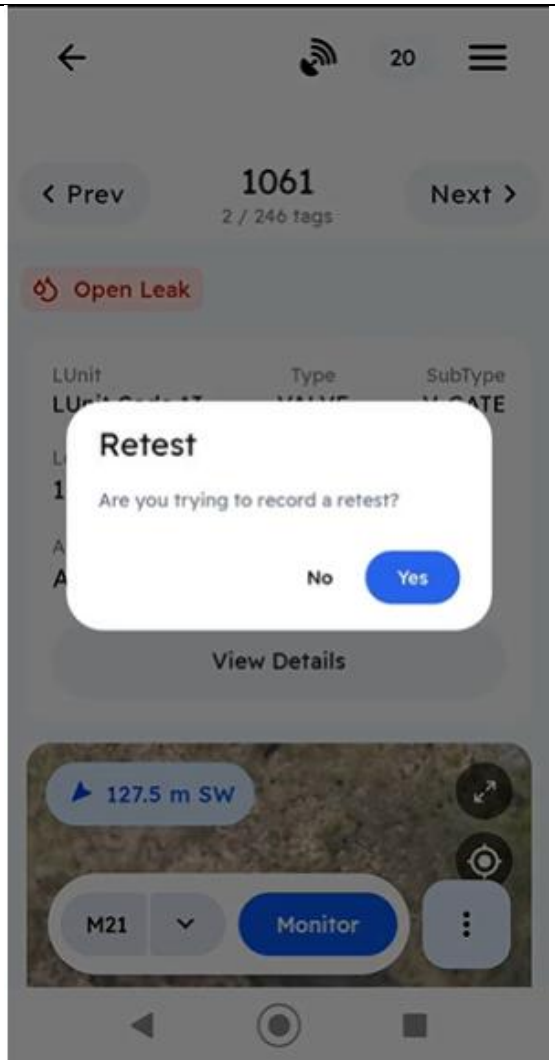
1. For a **leaking** component, place the probe at the highest emission and leave for a minimum of 10 seconds. Click Ok to start the inspection at the highest emission.



After the leak has been saved, the **Input Leak Details** screen will be displayed.

1. Tap **Select** to enter the part leaking.
2. Tap **Add Leak Image(s)** to take a photo of the leak point.
3. If a repair attempt is made at this time, tap **Input Repair Attempt** and select the type of attempt.
4. Tap **Inspection Comments** to add any comments about the leak.

   NOTE: Once all required fields have been completed, the save button will become active.
5. Tap the **Save** button.

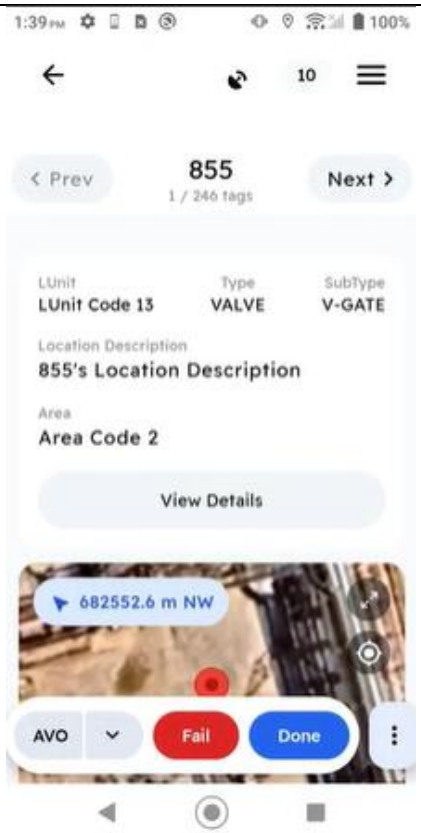


After a repair attempt, to perform a retest:

6. Return to that component's details by tapping the **Prev** button
7. Tap the **Monitor** button
8. Tap **Yes** when asked if you are trying to record a retest
9. Re-inspect component using the same process as described above
10. When complete, tap **Save**

AVO Inspections

Click or scan the QR code for a video tutorial on what an AVO Technician needs to know

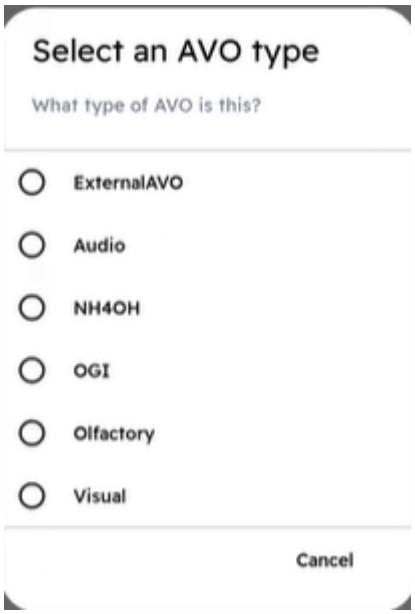


1. From the Tour list, tap the component to be inspected.
2. Make sure that AVO is selected as the inspection type
3. If an AVO leak is detected, tap “Fail”, if no leak detected, tap “Done”

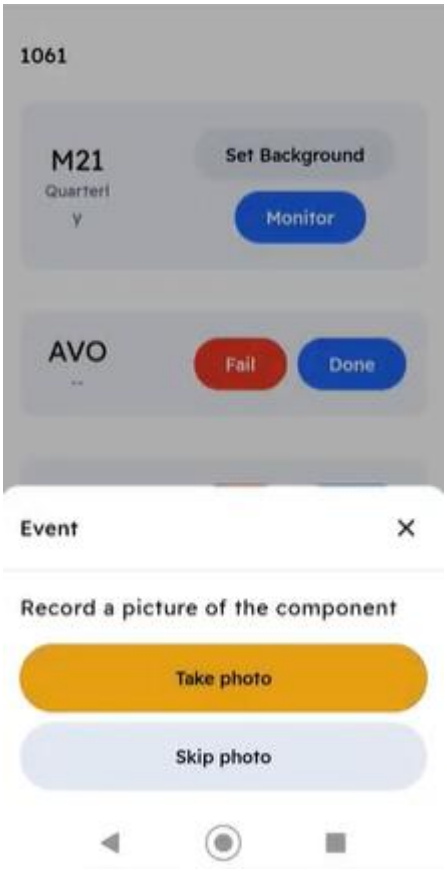
4. Select the Inspection Why.

   Note: This will only appear during an unscheduled inspection.

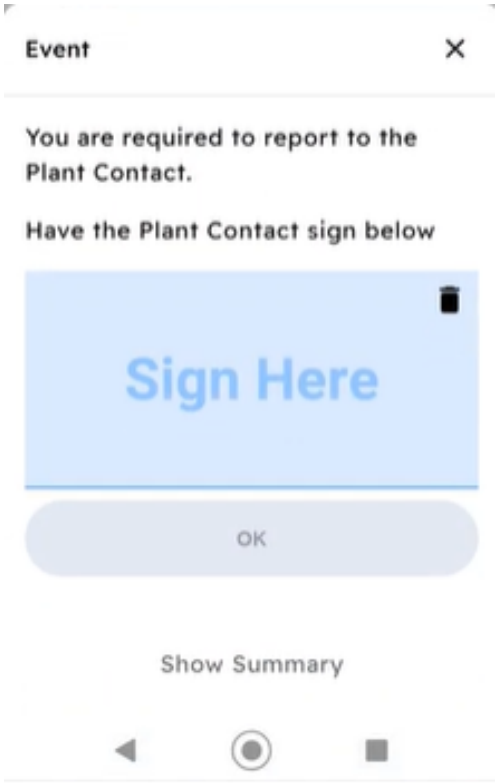
5. Enter comments (if any) and tap **Save.**



6. If a **Fail** is reported, **Select an AVO Type** will appear on the screen. Tap the reason the component failed the inspection.

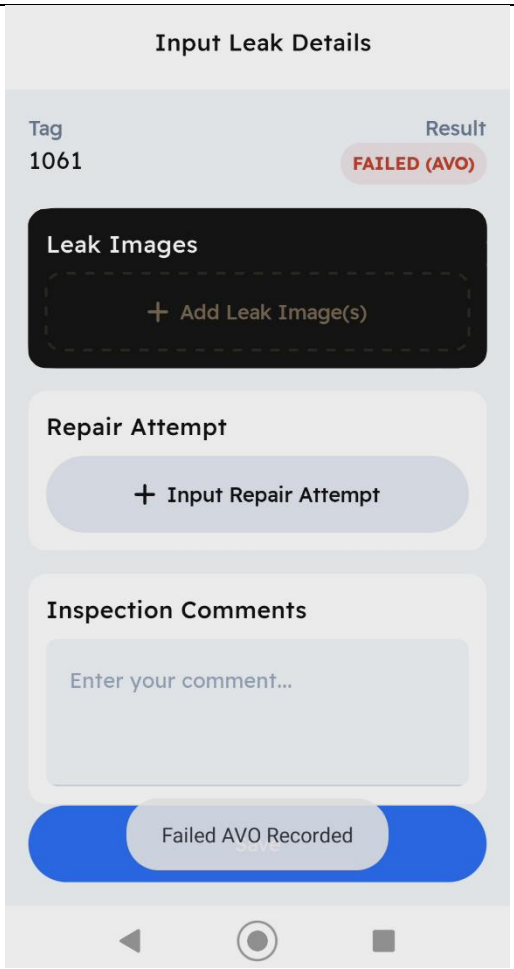


7. If desired, tap Take Photo and, using the camera on your device, take a photo

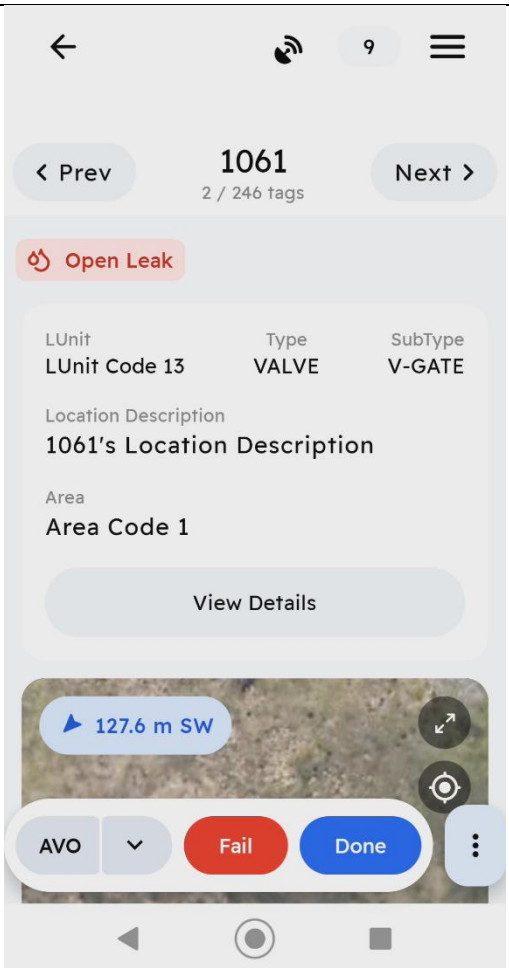


8. A signtaure may be required. Once the Plant Contact has signed on your device, click **OK**.

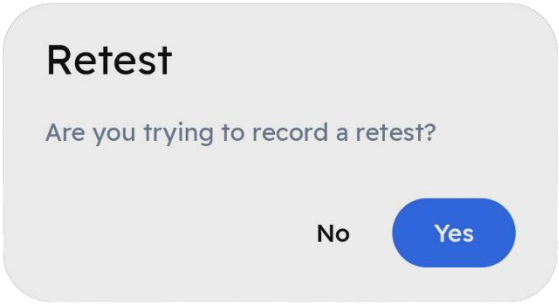
   Note: This prompt is database-specific, if the user has the feature and the option within the feature for the signature enabled.



9. Capture 1 or more photos of the leak by tapping + **Add Leak Image(s).**
10. If a repair attempt is made, tap + **Input Repair Attempt** to record the attempt.
11. Record Comments by tapping “Inspection Comments”.
12. Tap Save.



13. To perform a retest, tap **Done (if passed) or Fail, if applicable.**

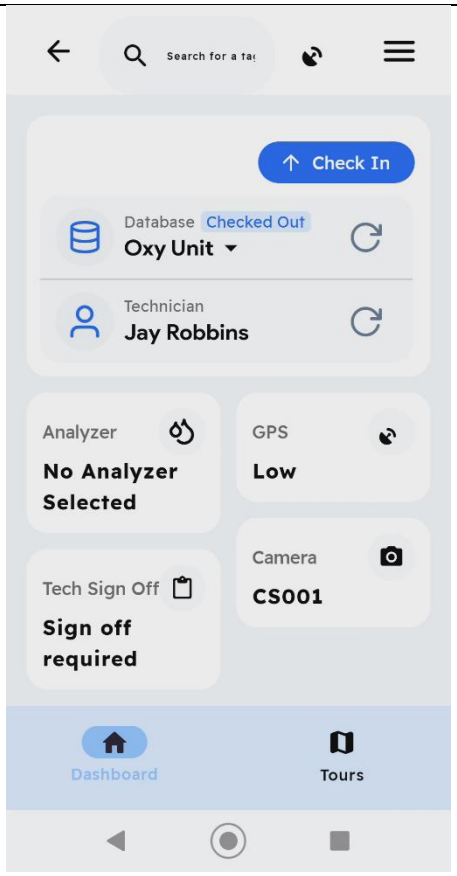
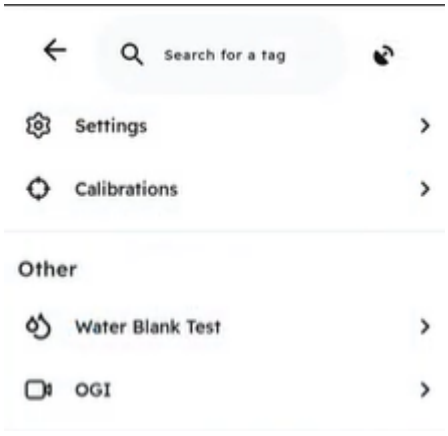


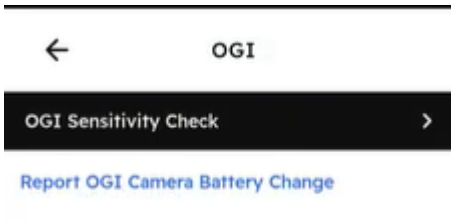
14. Tap **Yes** to indicate a retest was performed.

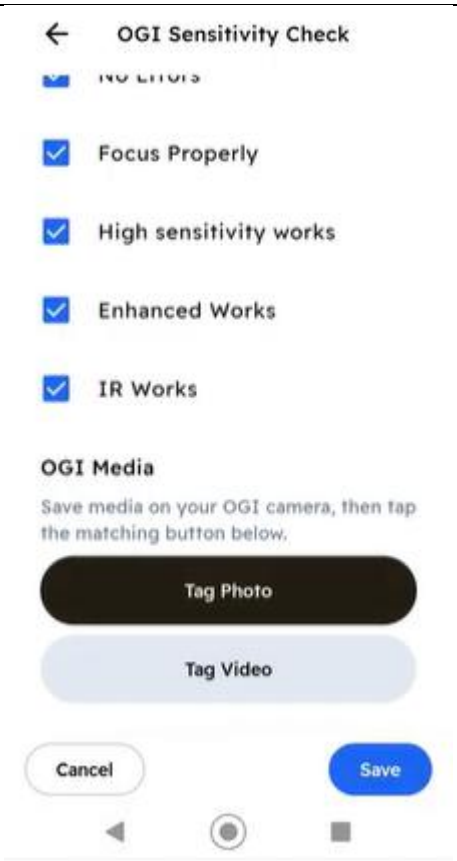
15. Enter any comments and tap **Save**

OGI Survey (OOOOb) Inspections

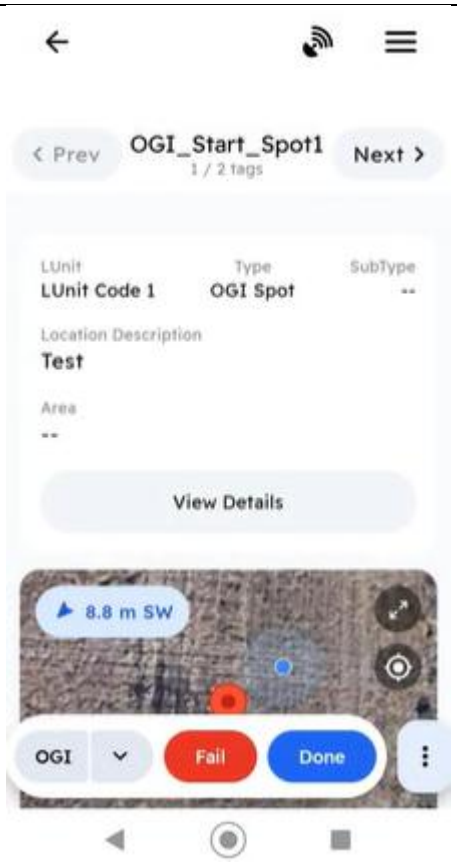
Click or scan the QR code for a video tutorial on what an OGI Survey Technician needs to know

	1. Check out a tour, tap the **hamburger button** in the upper right corner to perform an OGI Sensitivity Check.
	2. Tap the **OGI** Option

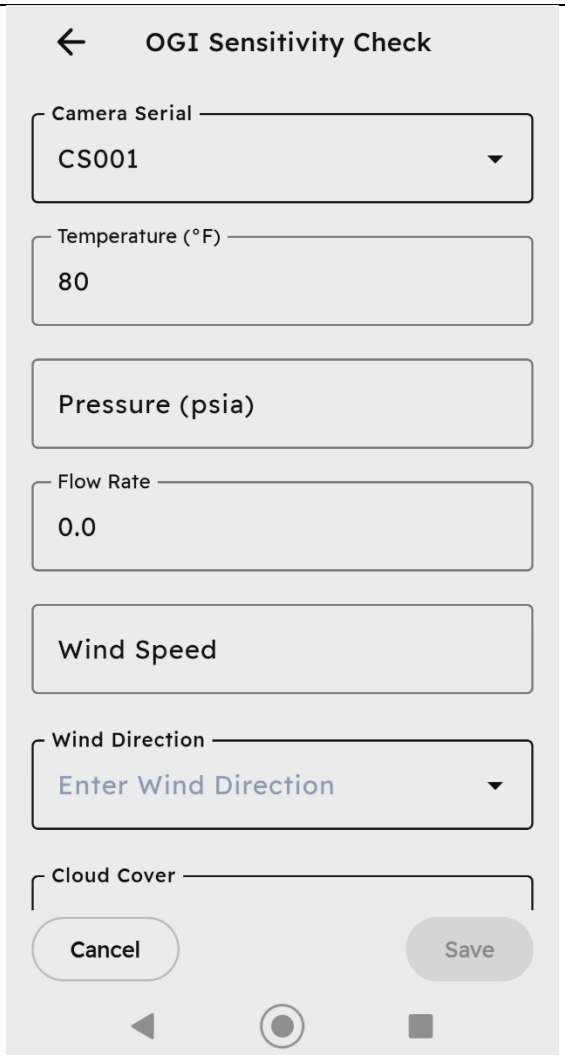
	3. Tap OGI Sensitivty Check
	4. Populate all fields with the appropriate information.

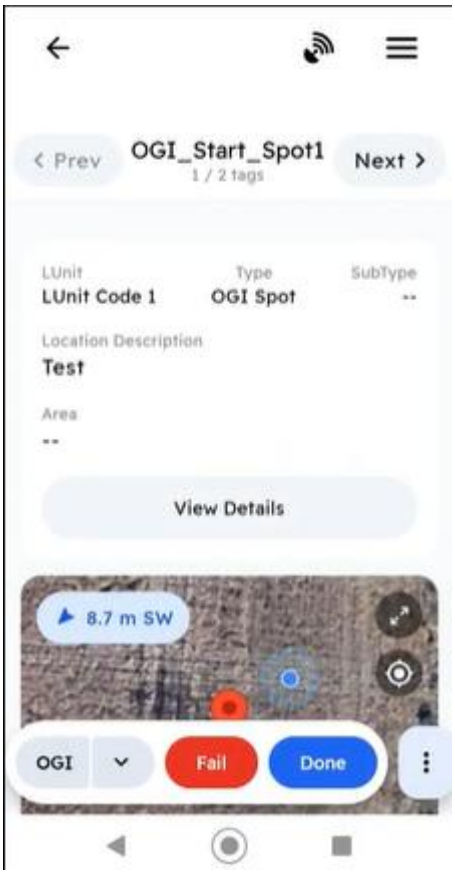


5. Select Tag Photo or Tag Video to indicate which option to be used for the sensitivity check.
6. Tap **Save.**
7. Tap back arrow twice to return to your tour.
8. Select the tour to be used during the day.



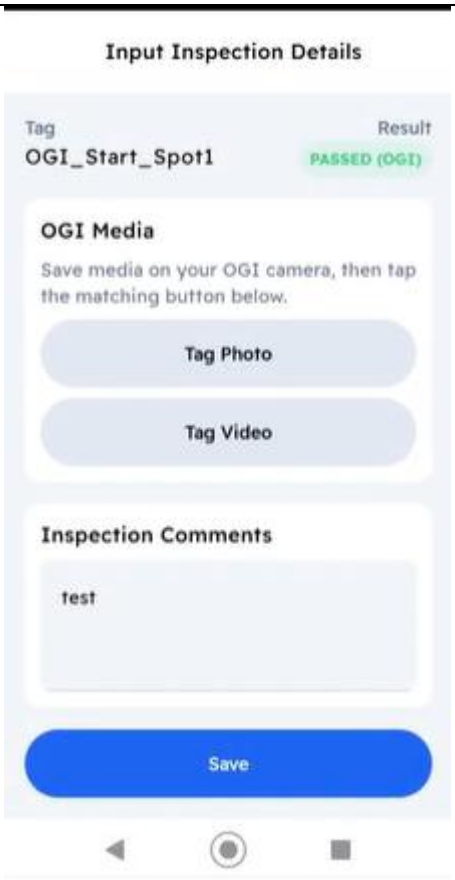
9. Select the first record to be inpsected with the OGI camera.
10. Tap the Action Menu in the lower right hand corner (three vertical dots).

	11. Tap OGI Survey
	12. Fill in all required field as well as any other fields required by the applicable regulation 13. Tap **Save**.



14. Once you have completed inspecting the first component, tap **Done**.

15. Select the OGI Camera used for the inspection.

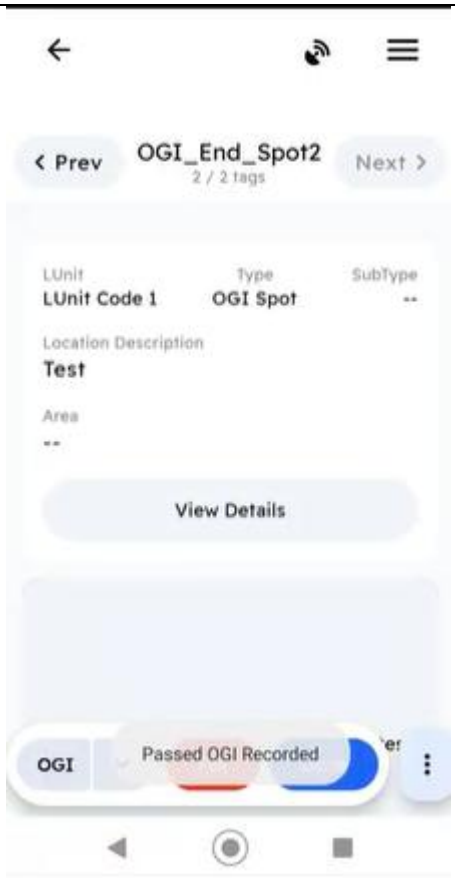


16. If a photo is required for the applicable regulation, take the picture with your OGI Camera, THEN tap **Tag Photo.**

17. If a video is required for the applicable regulation, take and record the video and save the video on your Camera, THEN tap **Tag Video.**

18. Enter any comments.

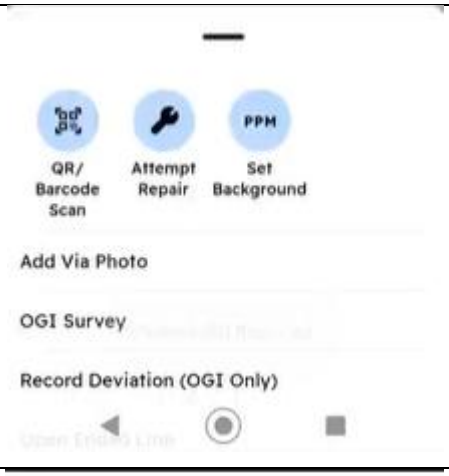
19. Tap **Save**.



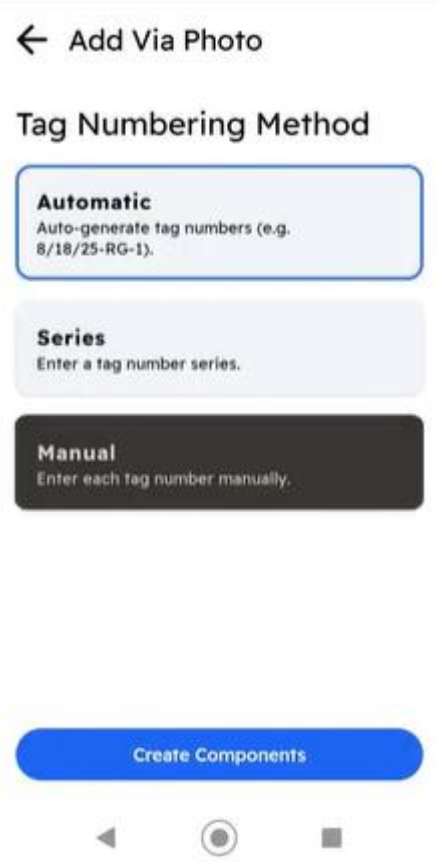
Chateau Mobile will display the next component o be monitored.

If at any time you find a leak while performing an OGI Survey, you can either create the new component in Chateau Mobile and assign the leak that that components when you find it or wait until you have almost completed the survey and create all the leaks before you do the last OGI Spot to complete the Survey.

Note: Always Tap **Done** when an inspection on an OGI SPOT is complete. Never tap Fail on an OGI SPOT. Fail should only be indicated on the actual component leaking, (Valve, Flange, Compressor, etc) not the OGI Spot.

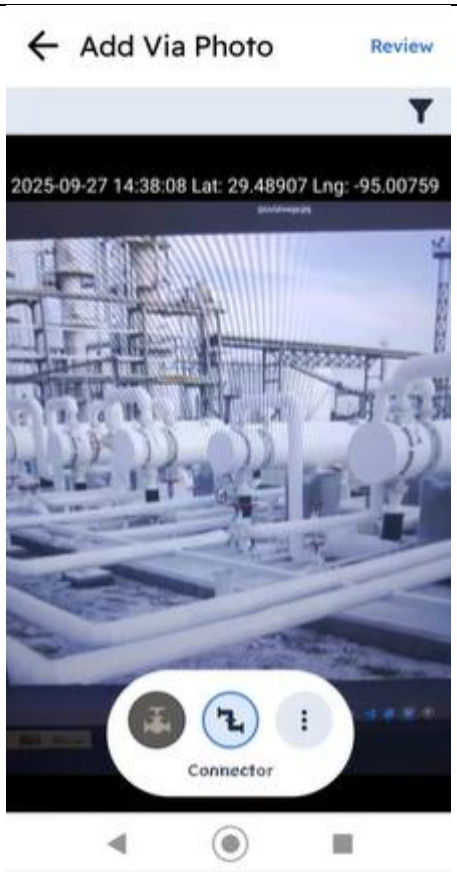
	20. To create a component in order to record a leak on it, tap the **Action Menu** in the lower right hand corner 21. Tap Add Via Photo 22. Take a photo of the largest area possible while still being able to locate the leak. You may take additional photos, later, to help maintenance find the specific leaking component.
	23. Enter the Primary Properties 24. For Active why, select OGI Leak

25. Tap Continue when finished



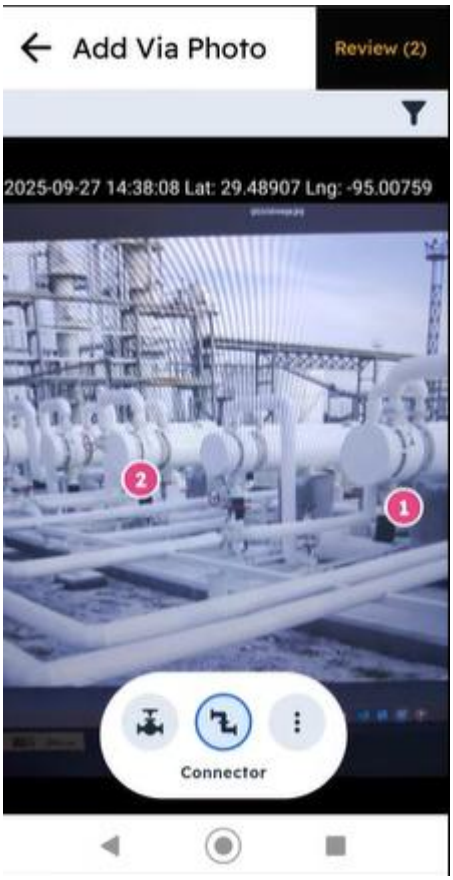
26. Tap the desired method for recording a tag number for the leaking component

27. Tap Create Components

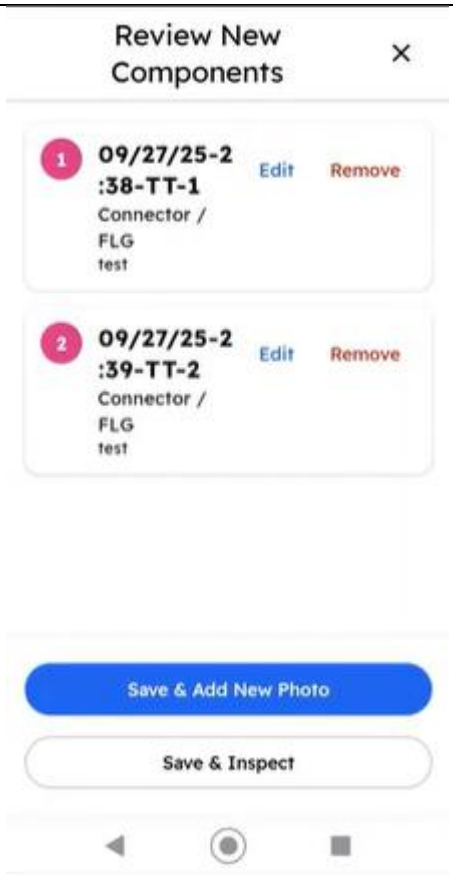


28. Tap the appropriate component type
29. Tap the location of the component on the recorded image

30. Fill in all applicable details of the component
31. Tap Done



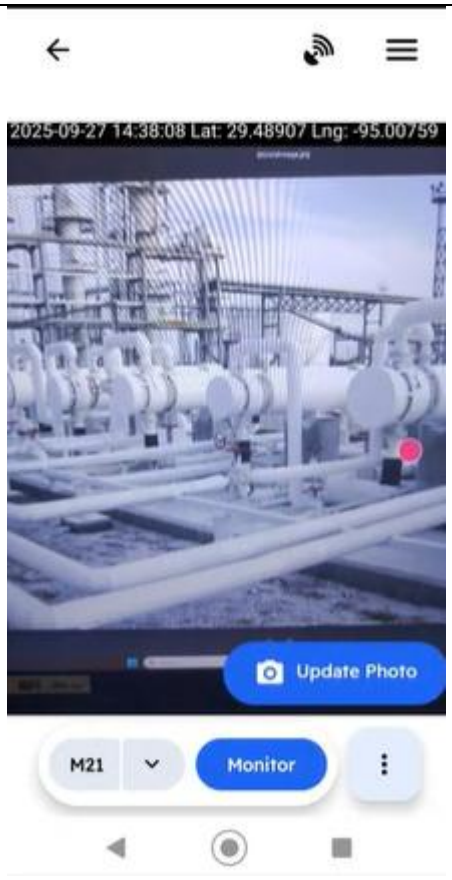
32. Repeat process for any other leaks



Review the added components:

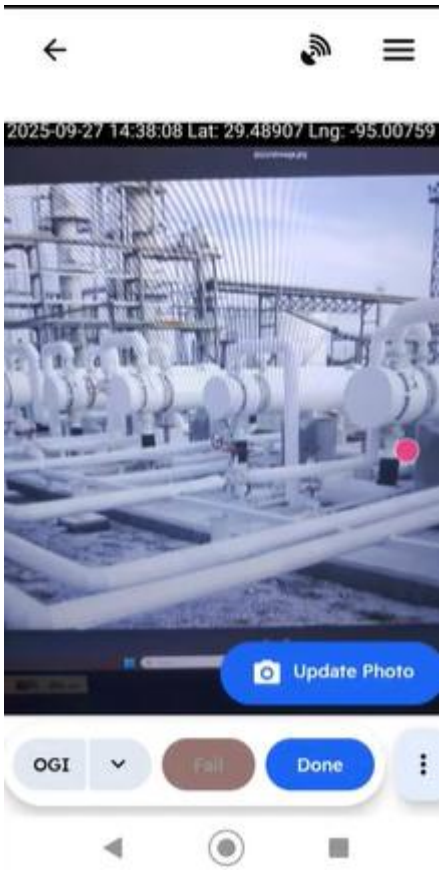
33. Tap **Save & Add Photo** if no further inspections will be performed for these components

34. Tap **Save & Inspect** if further inspections will be performed for these components

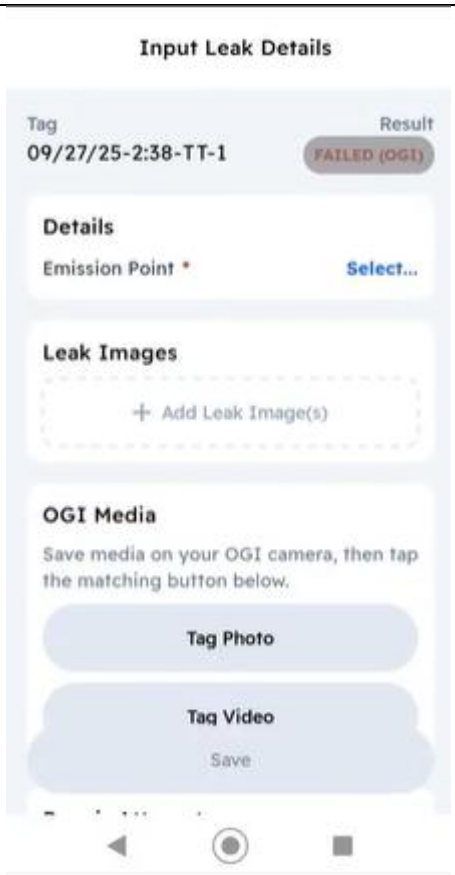


35. If **Save & Inspect** is select, Chateau Mobile will display the details screen for the first new component

36. Change the inspection method to **OGI**



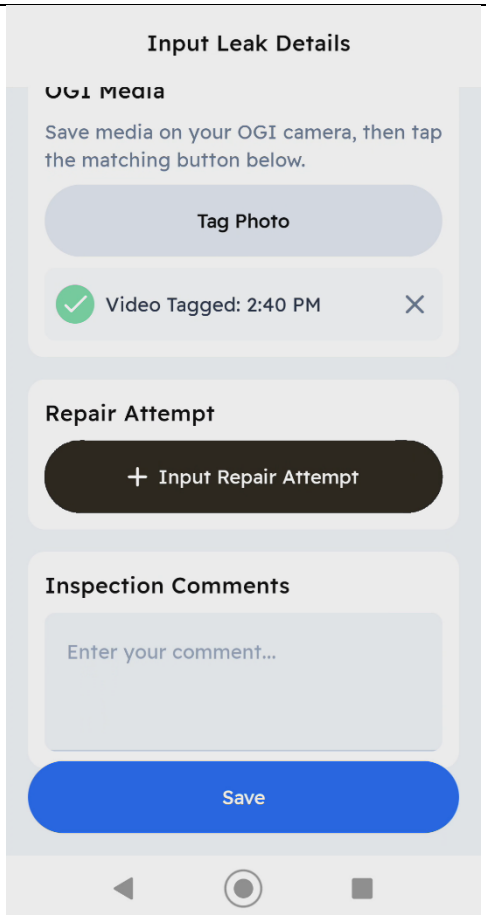
37. Tap **Fail**

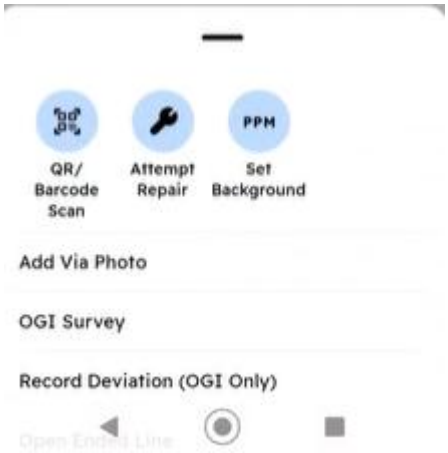
<table>
<tr>
<td> 
</td>
<td>38. Tap OGI Leak</td>
</tr>
<tr>
<td> 
</td>
<td>39. Tap Select…, and select the appropriate emission point from the picklist

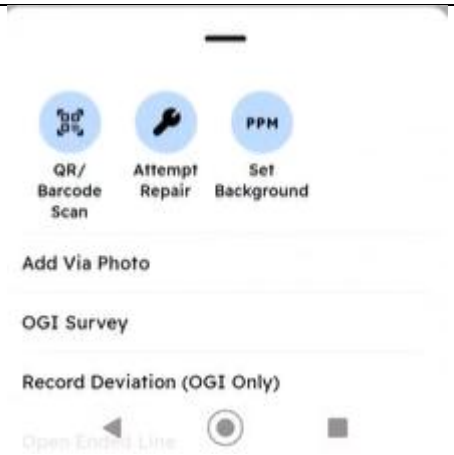
40. Tap + Add Leak Image(s) and use the camera on your device to take a picture of the leak. Annotate picture to show the leaks location.

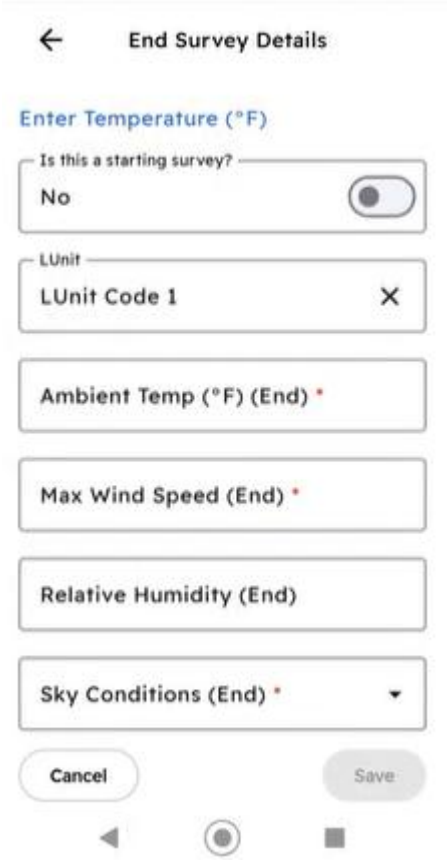
41. Take a photo and/or video then click on Tag Photo and or Tag video to tag it

42. Repeat process above for any additional leaks</td>
</tr>
</table>

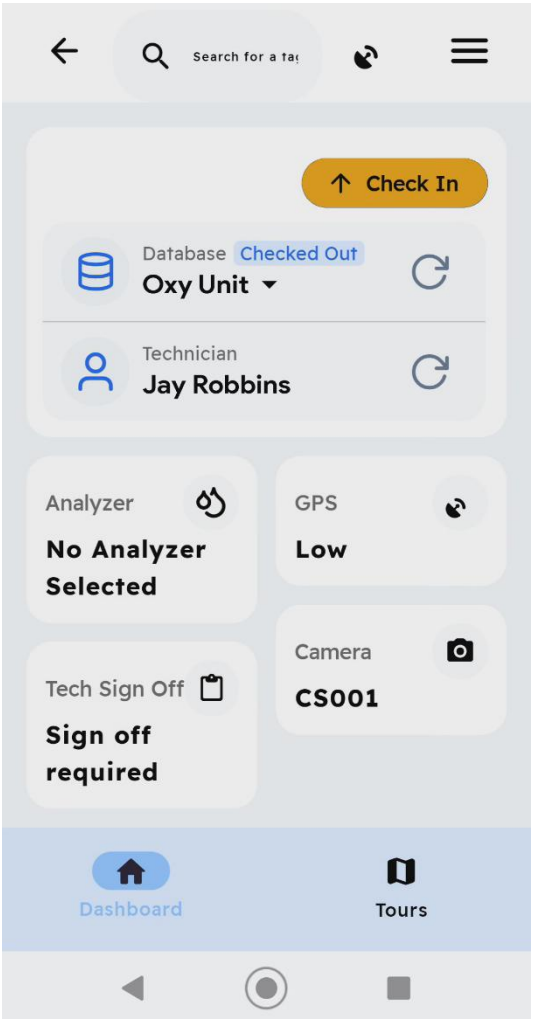
<table>
<tr>
<td> 
</td>
<td>43. If a repair attempt is performed, tap + Input Repair Attempt and input necessary information on the screen that appears

44. Repeat process described above for entering any retest information (if performed)</td>
</tr>
<tr>
<td> 
</td>
<td>45. If unable to take a proper image of an OGI spot, go to the Detail Screen for the component, tap the Action Menu and and tap Record Deviation (OGI Only)</td>
</tr>
<tr>
<td> 
</td>
<td>46. Type the reason a proper image could not be taken</td>
</tr>
</table>

<table>
<tr>
<td> 
</td>
<td>47. Upon completion of an OGI Spot, tap the Action Menu, then Tap OGI survey to review Survey Details. and make any updates if necessary to survey condtions

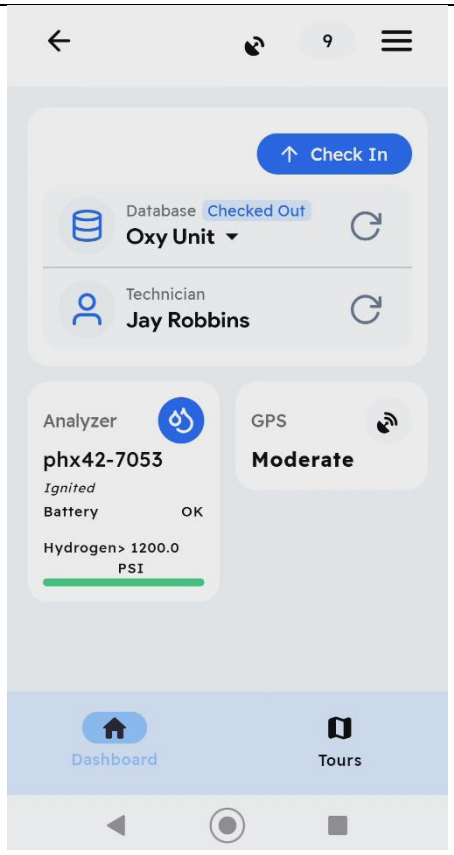
48. Tap Save when done. If no changes are needed, tap Cancel.</td>
</tr>
<tr>
<td> 
</td>
<td>49. Make any updates if necessary to survey condtions

50. Tap Save when done. If no changes are needed, tap Cancel.</td>
</tr>
</table>



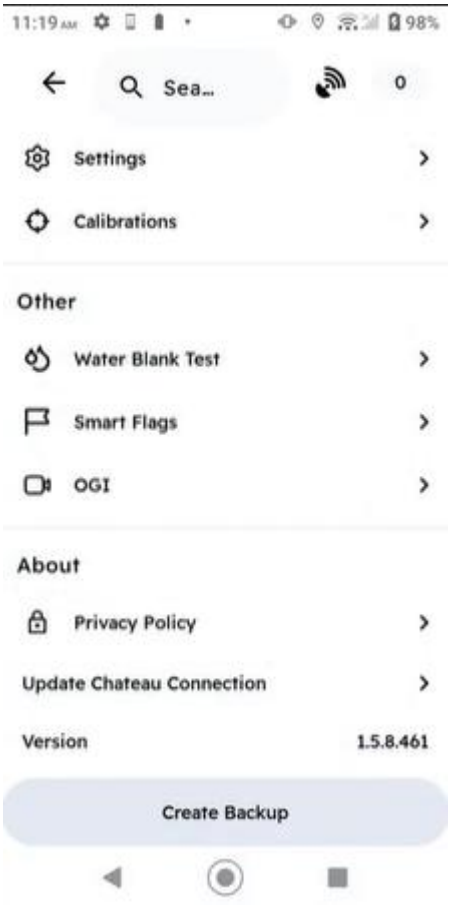
51. Once done for the day, **Check in** inspection results from the main dashboard

Calibration



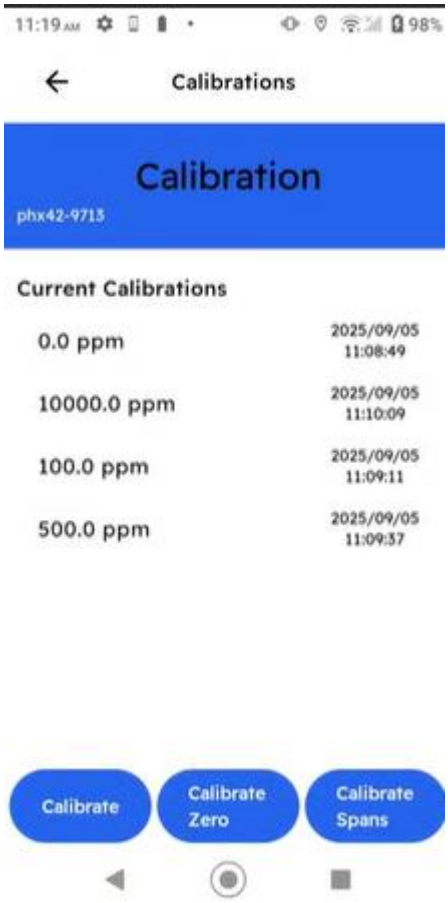
1. From the home screen, tap hamburger icon in the upper roght hand corner

Before you begin manually calibrating, note:

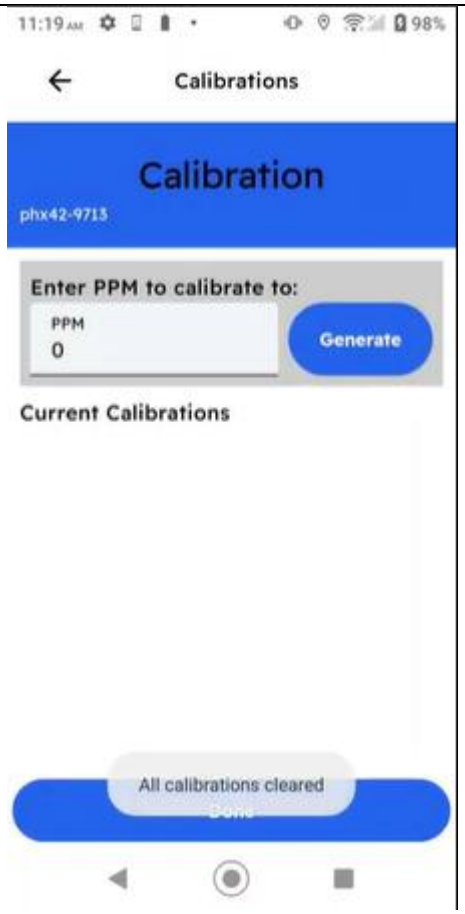


2. Tap Calibrations

3. Tap Calibrate



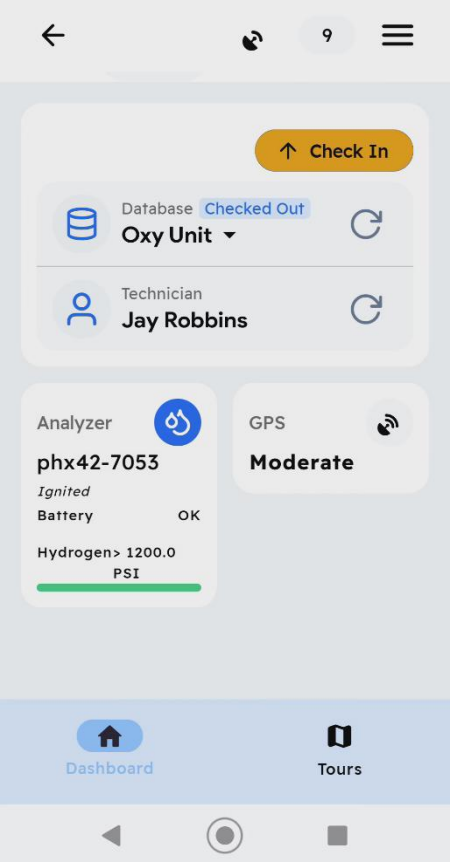
4. Tap Calibrate



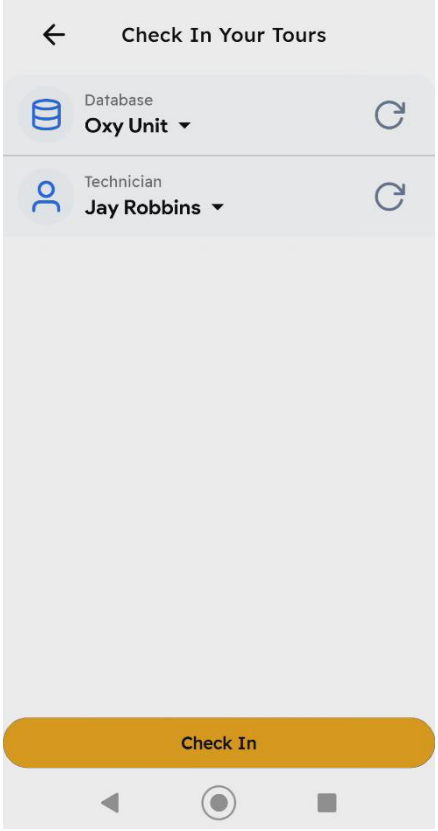
5. Type the actual PPM for the cylinder onto the PPM field.
6. Apply gas (begin with 0 PPM) and then tap Generate.
7. Let the calibration run.
8. The phx42 will sample the gas, then display the "Calibration Complete" message.
9. Repeat Steps 5-8 until all the Calibration Spans have been added, then tap Done.

Note: To calibrate a phx42 using an Extension Probe without changing the unit settings, apply gas, wait 18 seconds, and then tap Calibration.

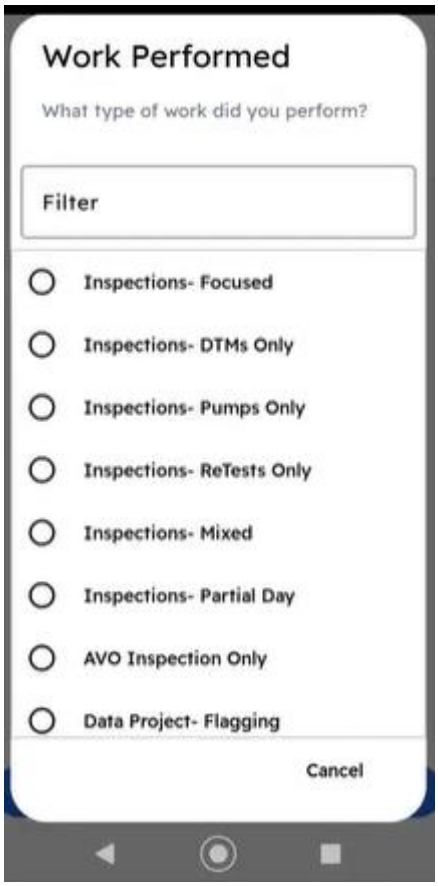
Check In – End of day



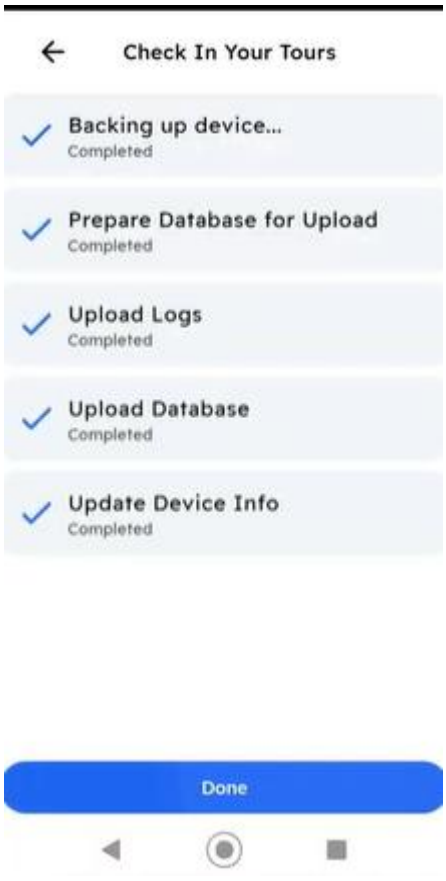
1. At the end of the day, navigate to the dashboard to check in your inspection record by tapping **Check In**.



2. **Check In.**



3. If Technician Sign-off is enabled, tap the type of work performed



4. Once the Check In process is complete tap **Done.**

Chateau Mobile Manual Change Log		
Rev4.0	10/08/2025	Initial release.