InCabin Modules & Visual Alerts

Rev 3.0

Rev. #	Write Name	Date	Changes
1.0	Sergio	9/17/15	Created Document
2.0	AndresOspina/Darlene Maldonado	04/1/2016	ELD Compliance
3.0	Darlene Maldonado	05/23/2016	Edit /Export Section

INTRODUCTION

In today's challenging and highly competitive industry, workforce management everywhere is looking for solutions that will help stand out from the competition and get things done more proactively. TSO Mobile's InCabin solution for Android devices delivers unique development in customer service and satisfaction, fleet performance, workforce management, operational effectiveness, and the technological advantage your business needs for its growth.

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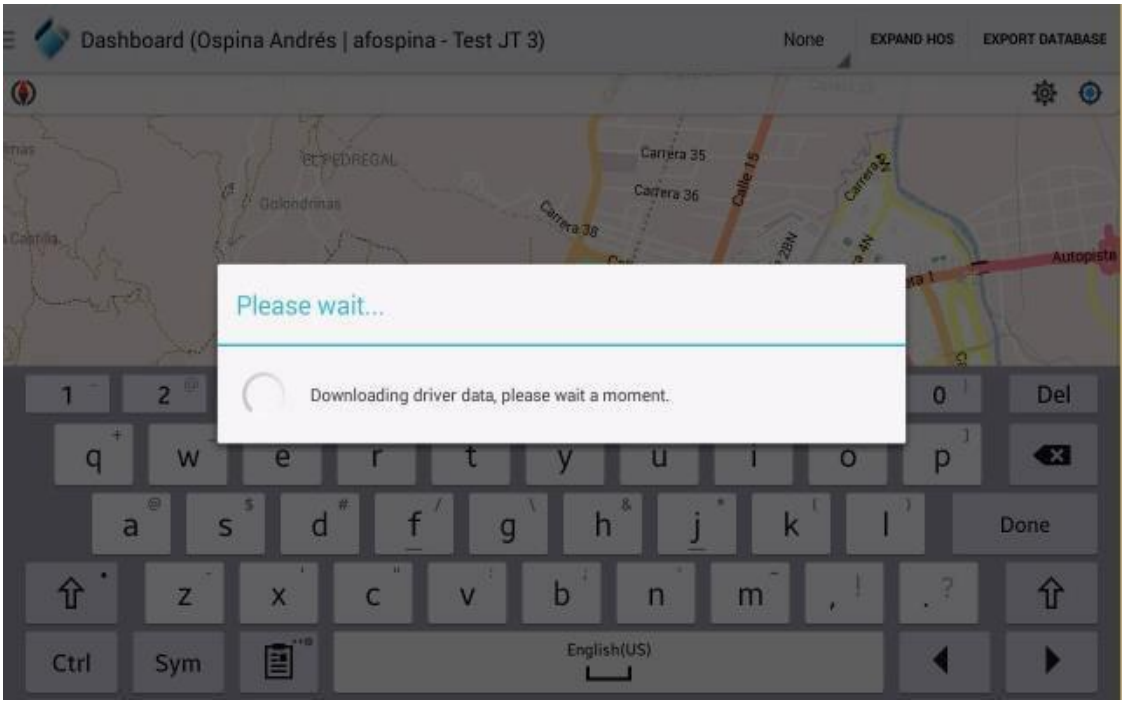
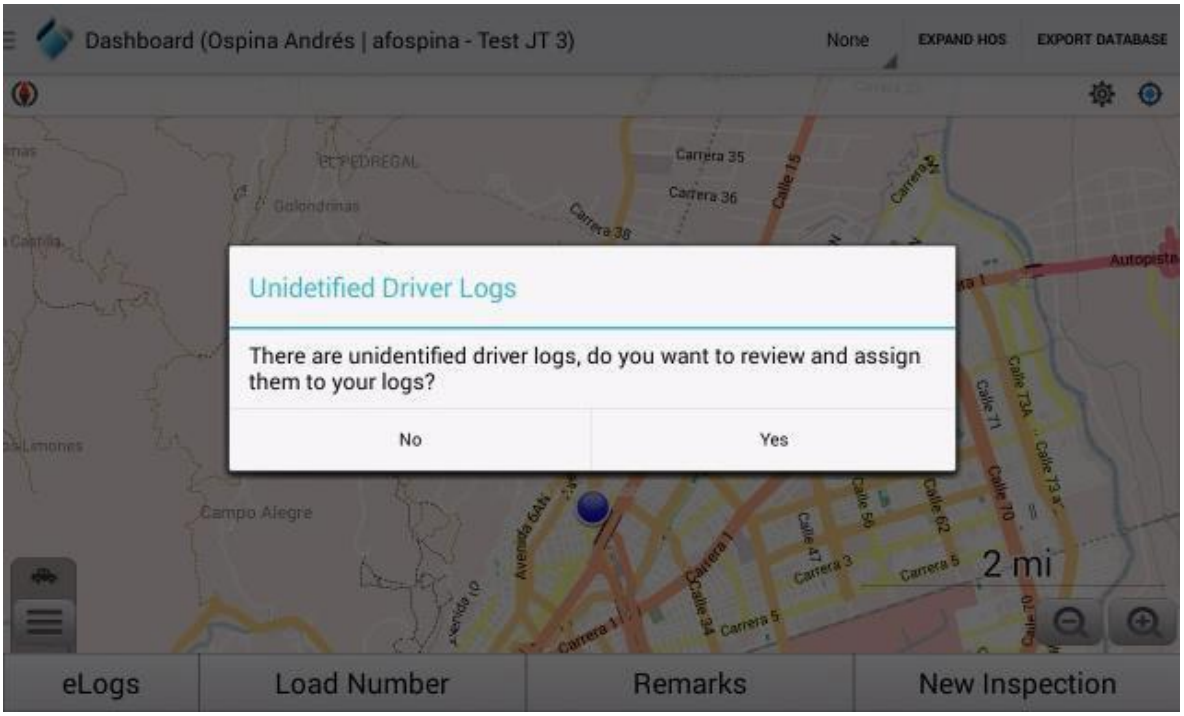
1 LOG IN

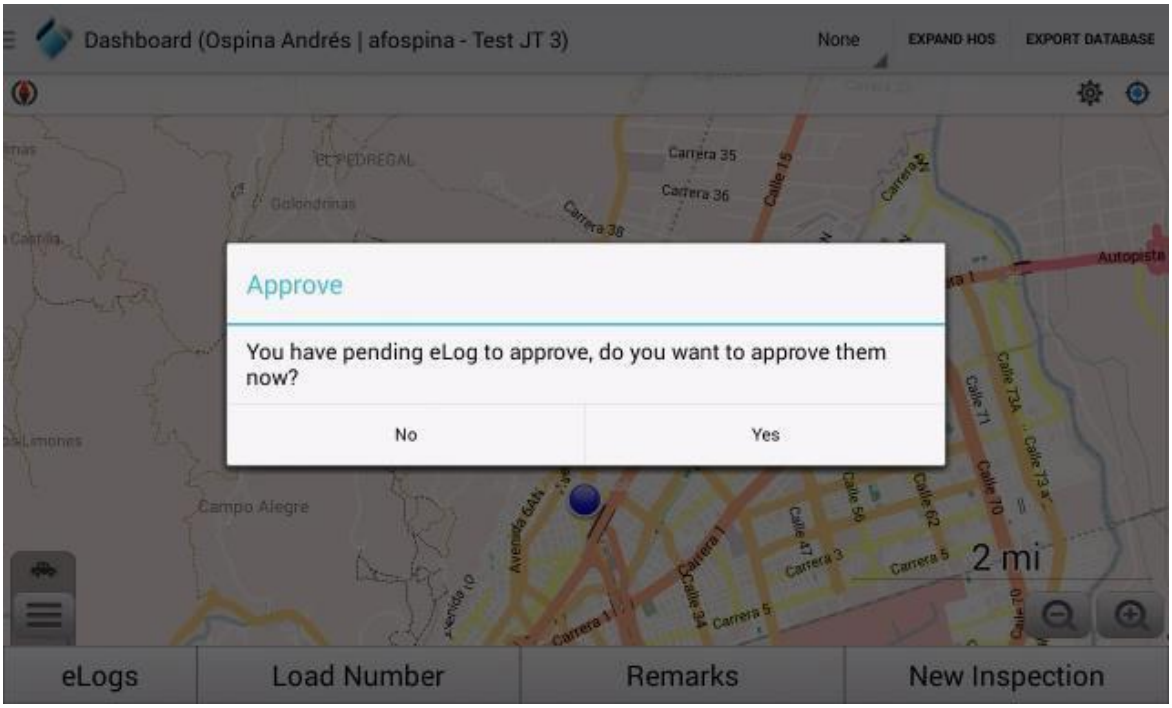
At the time of log in, ELD will show a series of alerts which will be explained in detail later on. The first alert that displays is the synchronization the ELD performs with the server, downloading the driver information.



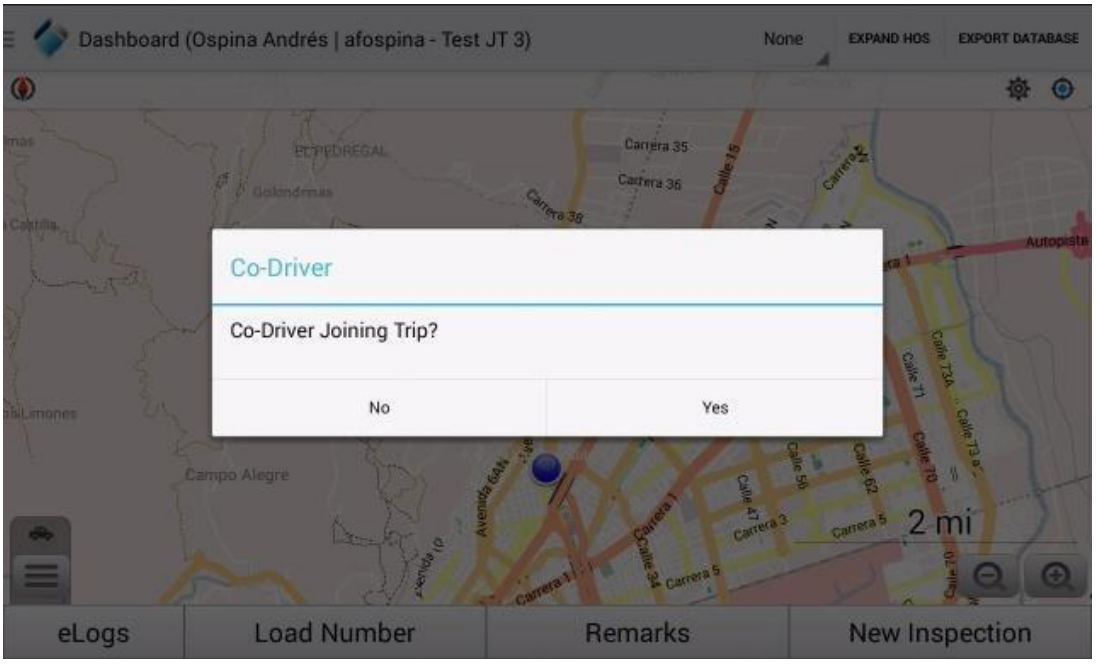
This alert is displayed only if there are records not assigned to drivers, which are stored under the profile unidentified and can be viewed in **Unassigned Logs**.



This alert is always shown on log in and if there are driver records pending to be approved. More information on Approve.



This alert is shown if a Co-driver needs to be added. More information on Co-Driver.



2 MODULES

2.1 WORK ORDER

Linked with the online application TSOmobile.net, Work Order module let you received created online work orders and manage them by changing the statuses whenever you need to, and get proof of completion with driver's signature. Some of the statuses included are: Sent, Read, In Route, Arrived, Canceled, Completed, Pending & many others.

2.2 MESAGGING

Messaging module let you send and receive messages with your driver of any company employee. This will give you productivity by not having to use different devices for different operations. Just stay on your Android device and communicate with your driver right from the same InCabin application. All incoming messages are saved in the inbox, and the outgoing in the outbox.

2.3 INSPECTIONS

Compliant with FMCSA inspection regulations, the Inspections module will automatically display when they need to be filled, requiring driver's signature for proof of completion. These logs can then be reviewed at a later time.

2.4 ROUTES

Routes module let you received routes created from the online application, providing stops' information and turn-by-turn directions. Stops can be created based on work orders and many other indications. Routes can be optimized to provide the most efficient way to reach the destinations.

2.5 FUEL PURCHASE

Fuel Purchase module let you gain control over the fuel loaded in the vehicle. Every time a driver is loading fuel, the GPS of the Android device will automatically gather the location where the vehicle is being fueled as well as the date and time. On top of that the driver will have to enter information of the type of fuel, gallons loaded and total money spent. All this information will be saved in your fuel logs history to which you will always have access for monitoring. Also, you can access the fuel usage reports on the online web application TSOmobile.net to get analytics about fuel consumption on your fleet.

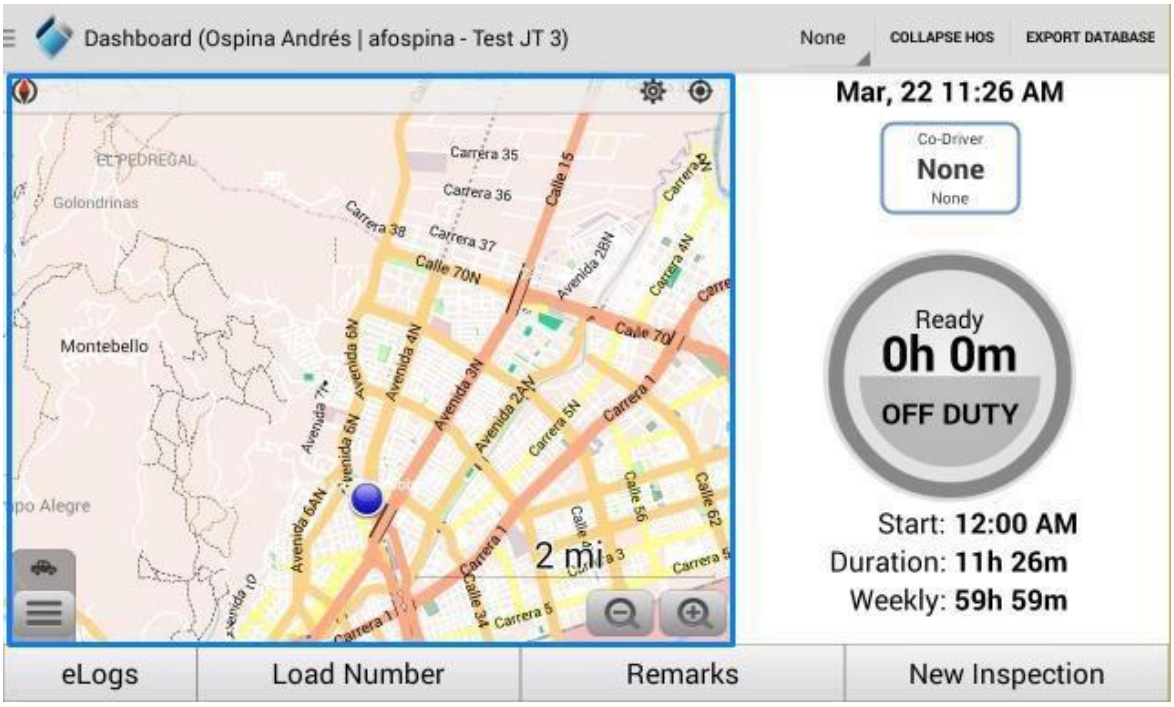
3. DASHBOARD

The Dashboard includes the following:

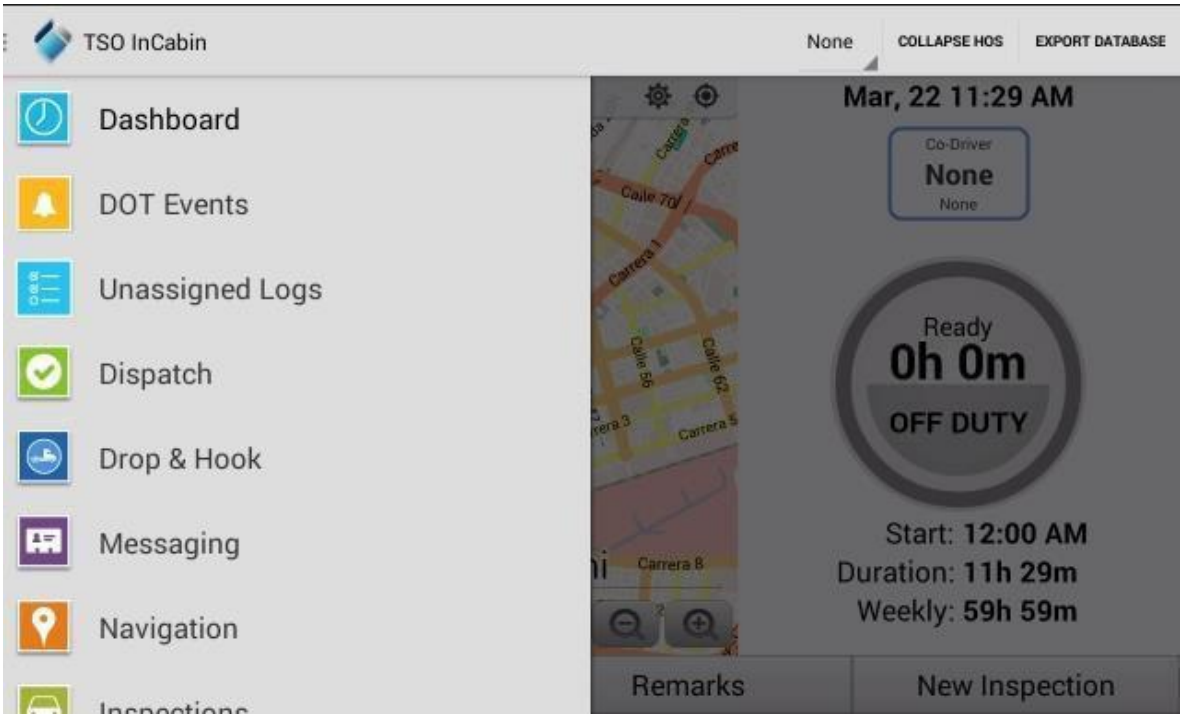
1) A map.
2) A menu on the left side.
3) An expandable window called HOS on the right side.
4) Four tabs at the bottom which are: **eLogs, Load Number Remarks and New Inspection.**
5) Two buttons at the top which are impacting driver and **Collapse** and **Expand HOS.**

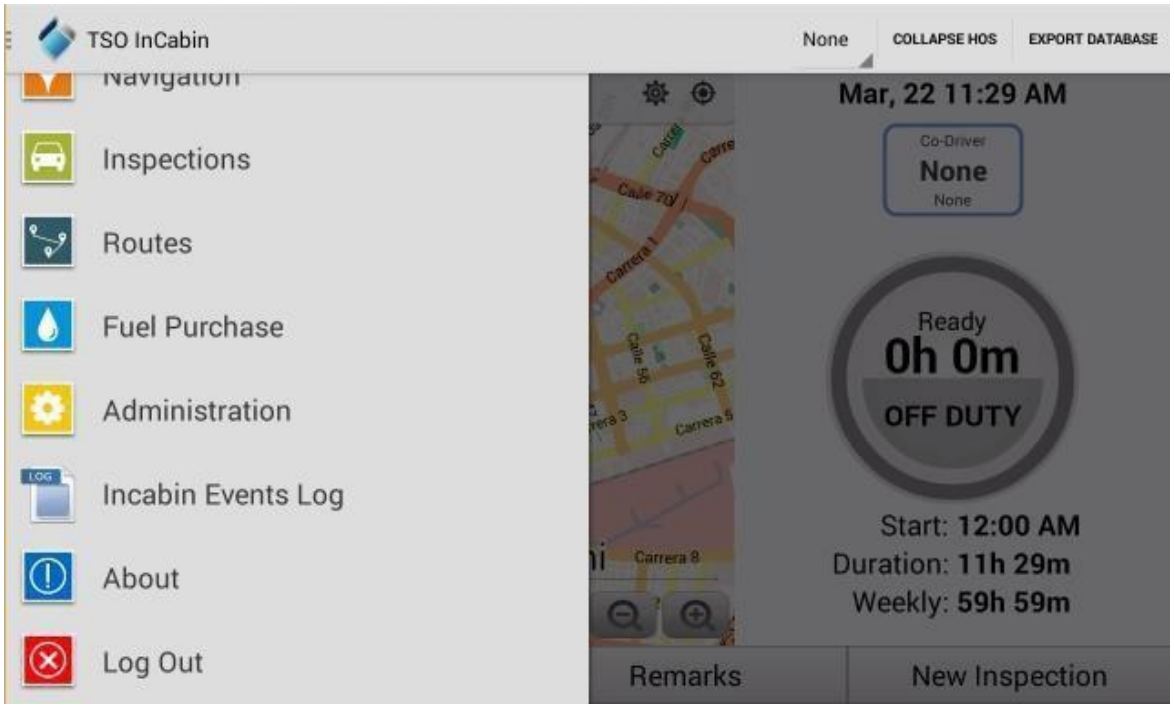
2.6 MAPPING

The map shows the current location of the driver.



2.7 LEFT MENU


TSO InCabin
None
COLLAPSE HOS
EXPORT DATABASE
Dashboard
DOT Events
Unassigned Logs
Dispatch
Drop & Hook
Messaging
Navigation
Mar, 22 11:29 AM
Co-Driver
None
None
Ready
0h 0m
OFF DUTY
Start: 12:00 AM
Duration: 11h 29m
Weekly: 59h 59m
Remarks
New Inspection

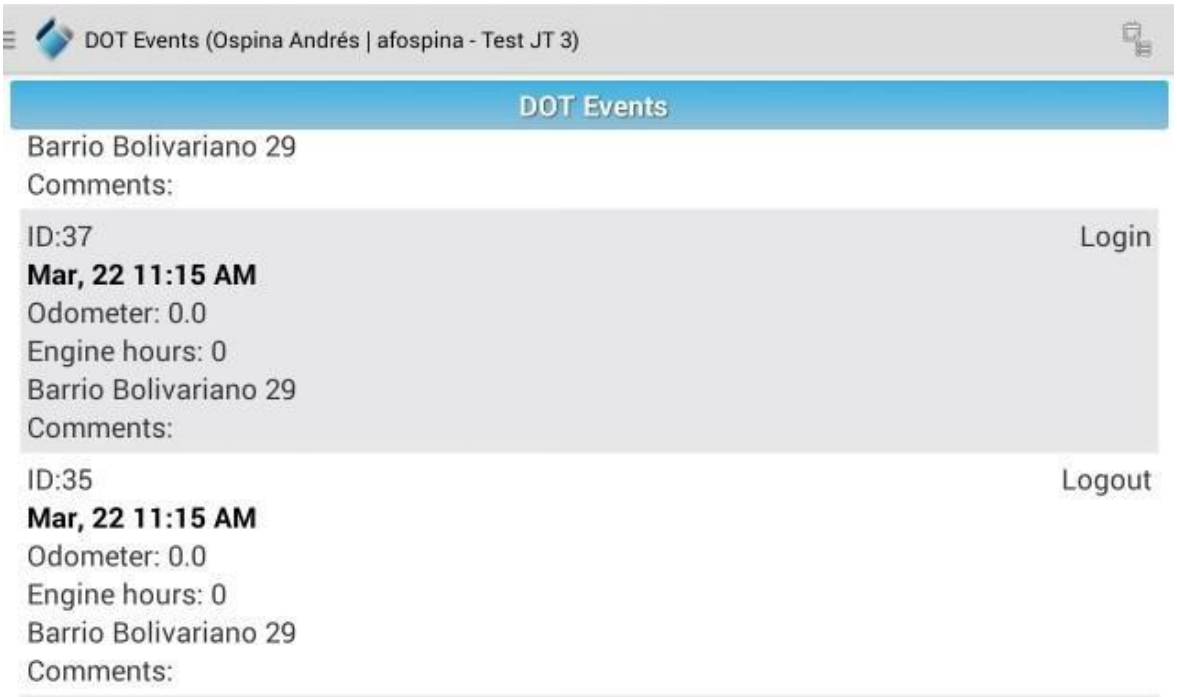

TSO InCabin
None
COLLAPSE HOS
EXPORT DATABASE
Inspections
Routes
Fuel Purchase
Administration
Incabin Events Log
About
Log Out
Mar, 22 11:29 AM
Co-Driver
None
None
Ready
0h 0m
OFF DUTY
Start: 12:00 AM
Duration: 11h 29m
Weekly: 59h 59m
Remarks
New Inspection

2.7.1 DASHBOARD

Main Menu

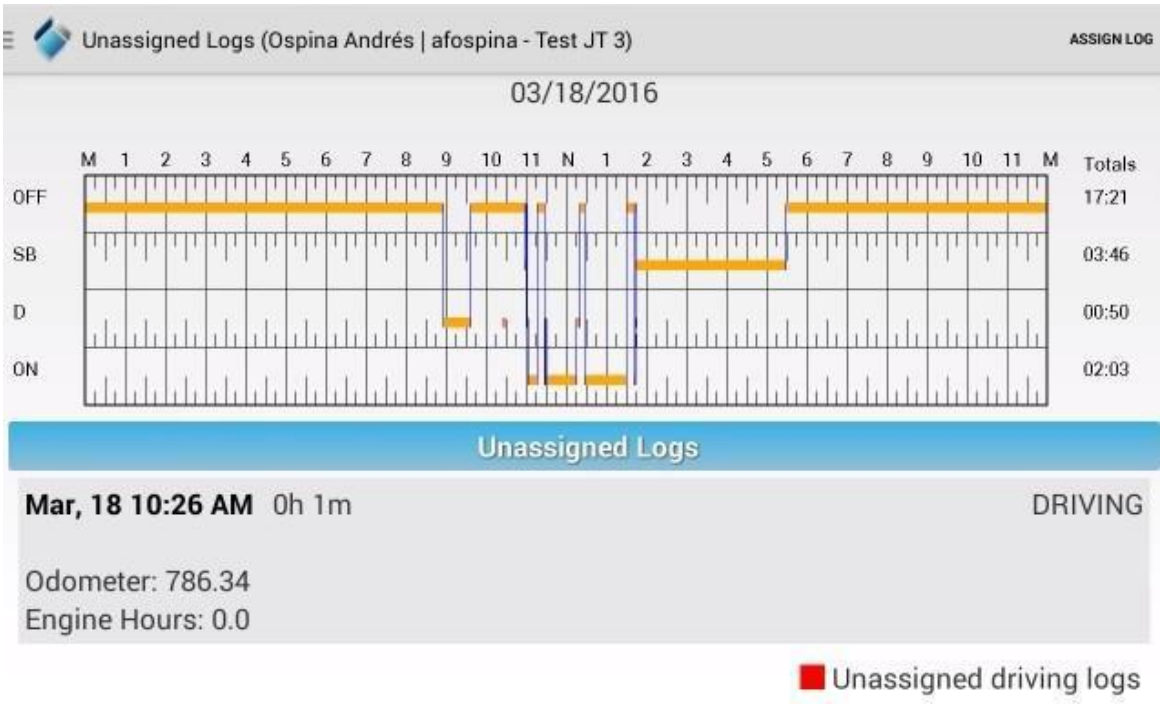
2.7.2 DOT Events

Here are all the events of the Department of transportation that have been recorded from the moment in which InCabin was implemented, such as**: Log in, Log out,** change of status, impacting driving category. These records include an **ID, date and time stamp** in which the event was recorded, **Odometer, Engine hours**, location in which the event was recorded and any reviews.

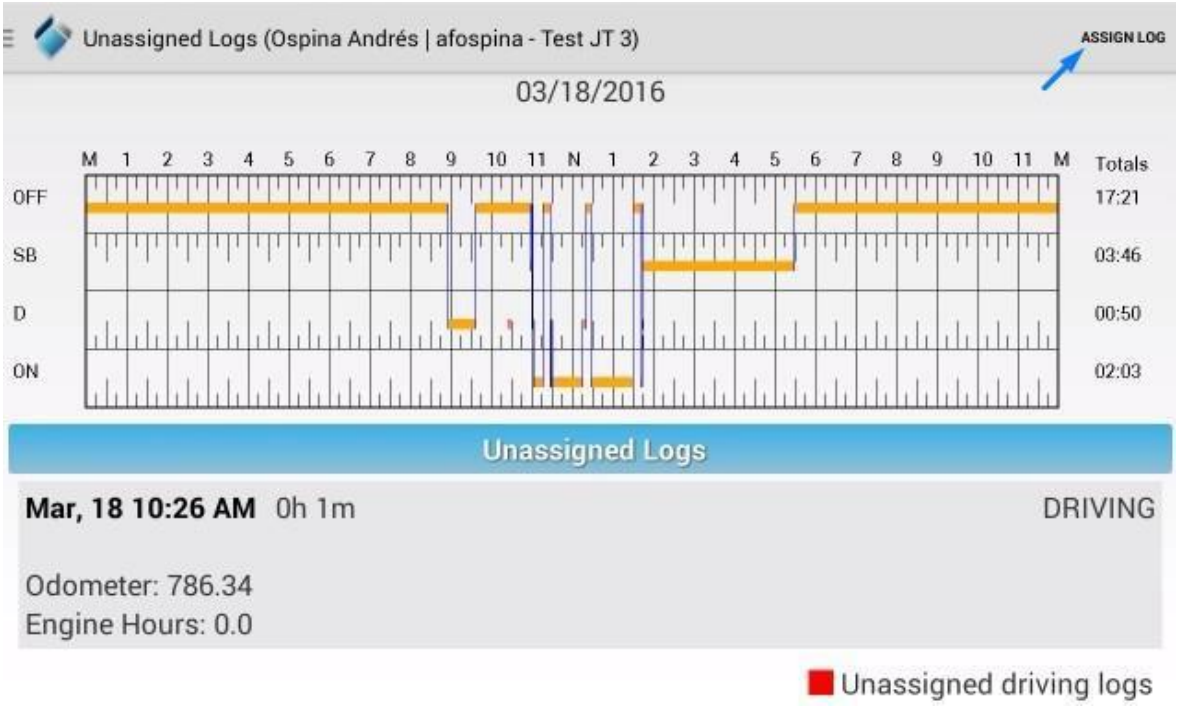


2.7.3 UNASSIGNED LOGS

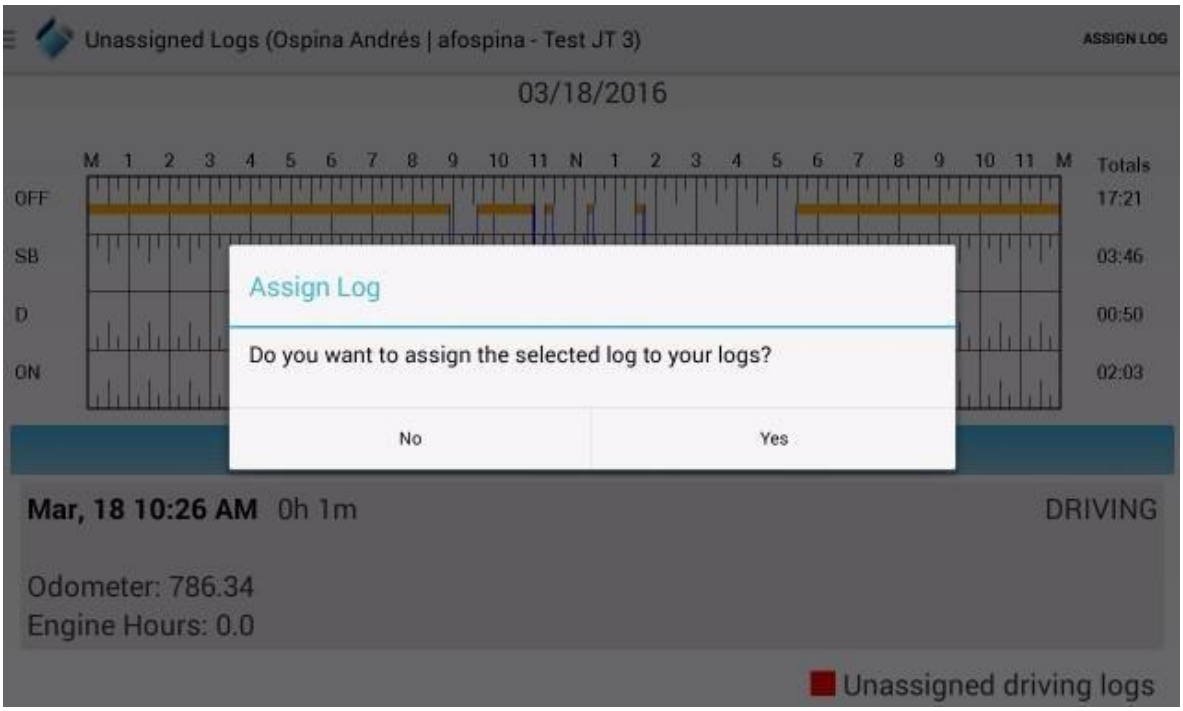
When no driver has Loged in the ELD and the vehicle is in motion, the ELD will store travel records (Status **DRIVING**) under the profile of unidentified driver (**Unidentified**), these records can be visualized by a driver or **Unassigned Logs** field support staff, so that they can later be added to the desired driver.



To assign a driver to an **Unassigned driving log**, simply press on the top ASSIGN LOG.



Following, a box will pop up stating if you would like to add the registry to yours, once you select **YES** the **ELD** will assign the registry and it will no longer show in **Unassigned Logs**.



2.7.4 DISPATCH

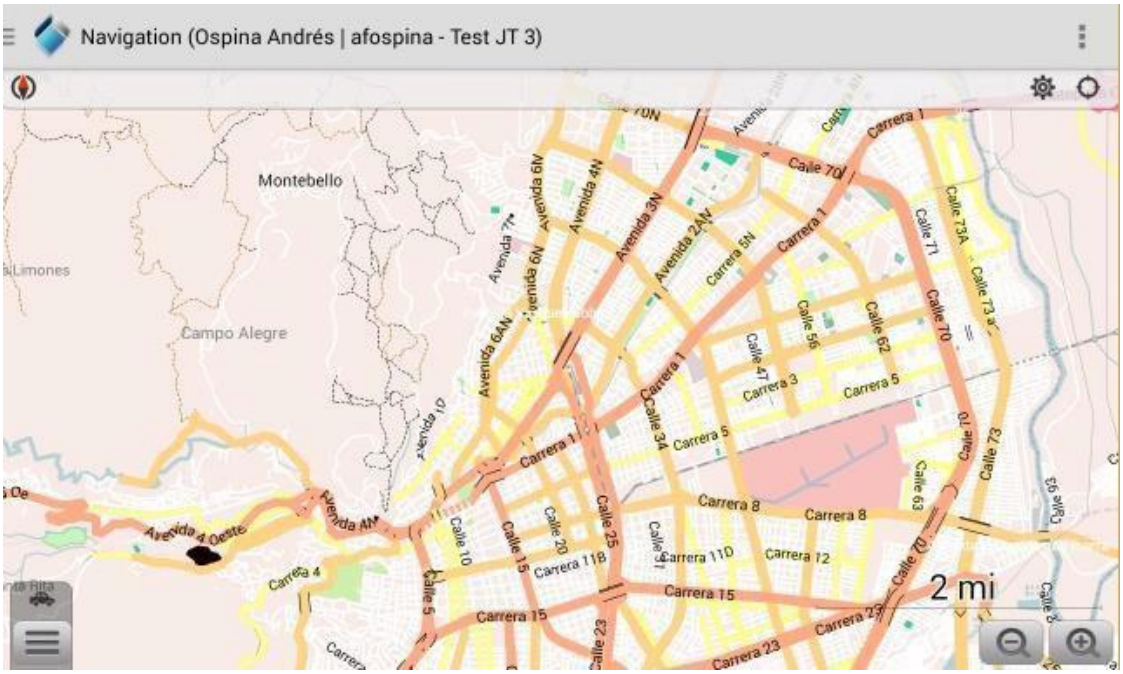
2.7.5 DROP & HOOK

2.7.6 MESSAGING

Messages that have been sent by the motor-carrier from the web application, are displayed in this space, and you are allowed to send messages and respond.

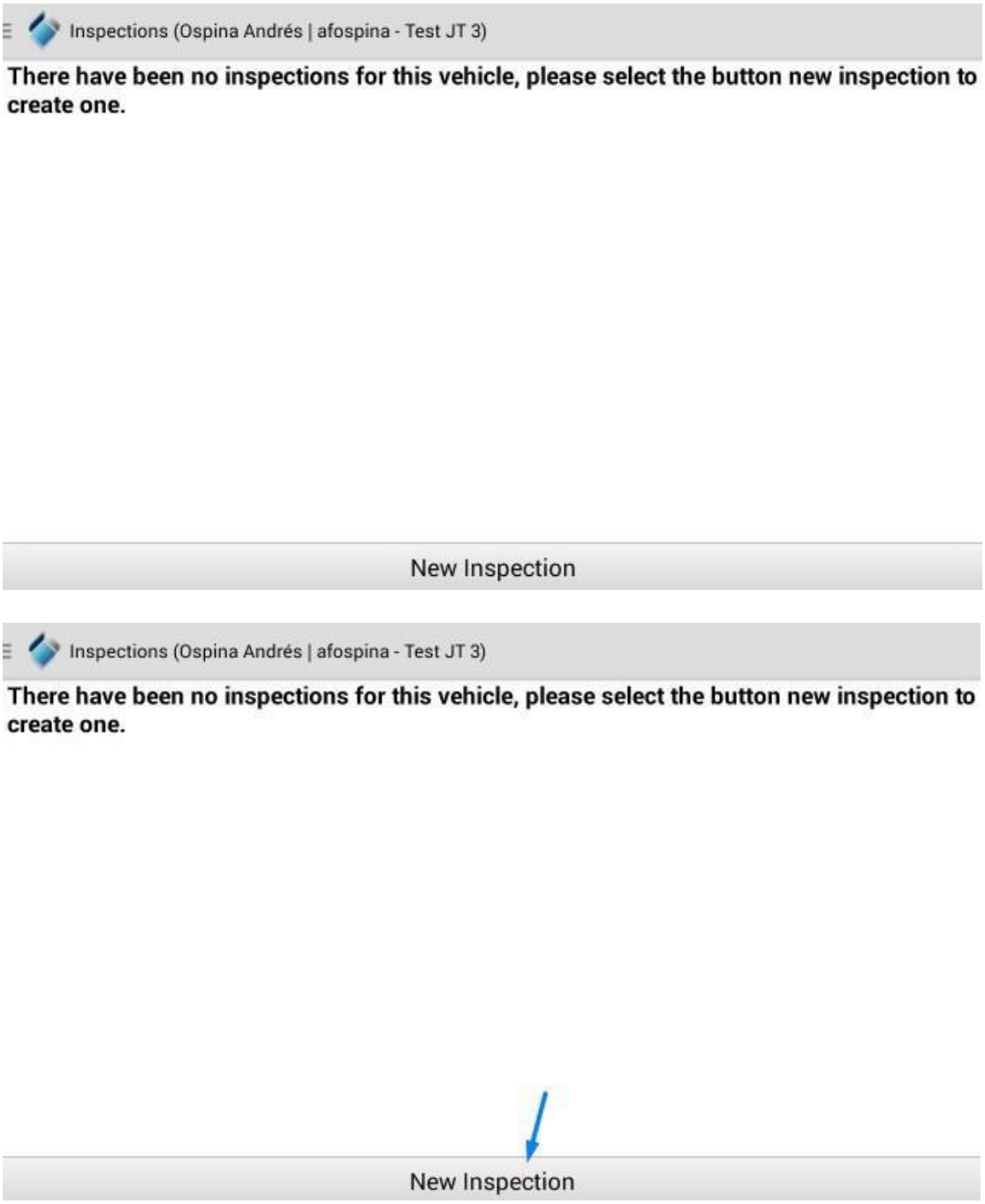
2.7.7 NAVIGATION

Navigation allows us to access the map and have a wider view of is.

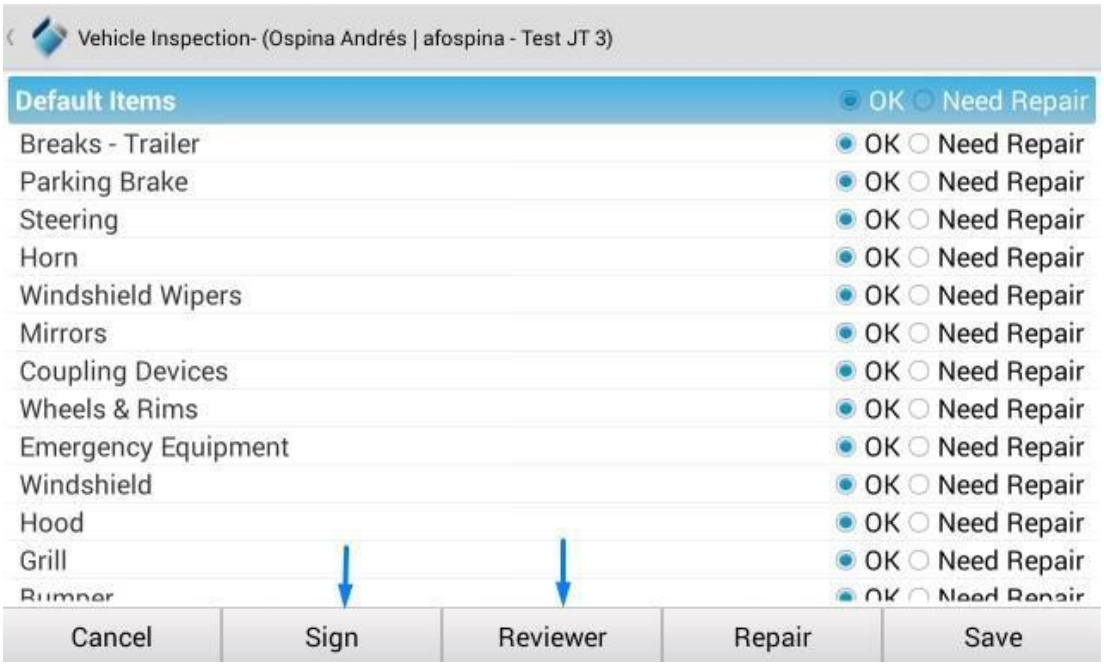


2.7.8 INSPECTION

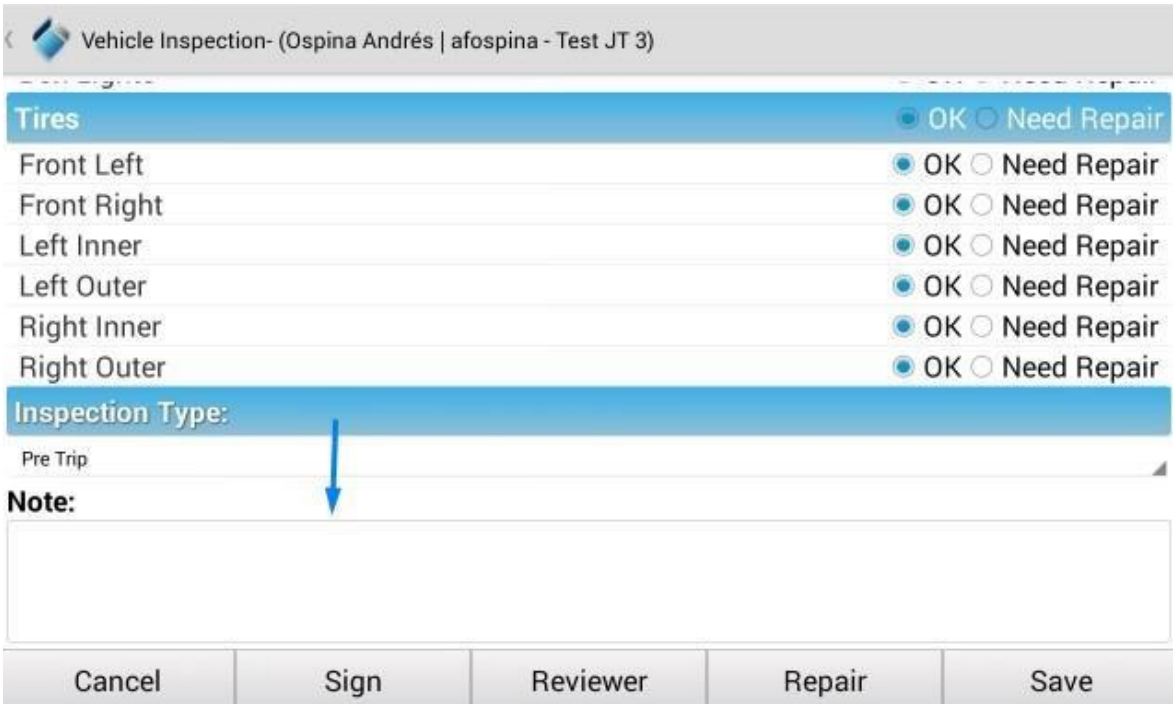
It allows us to carry out the inspections required by law of the vehicle, as well as display which made.



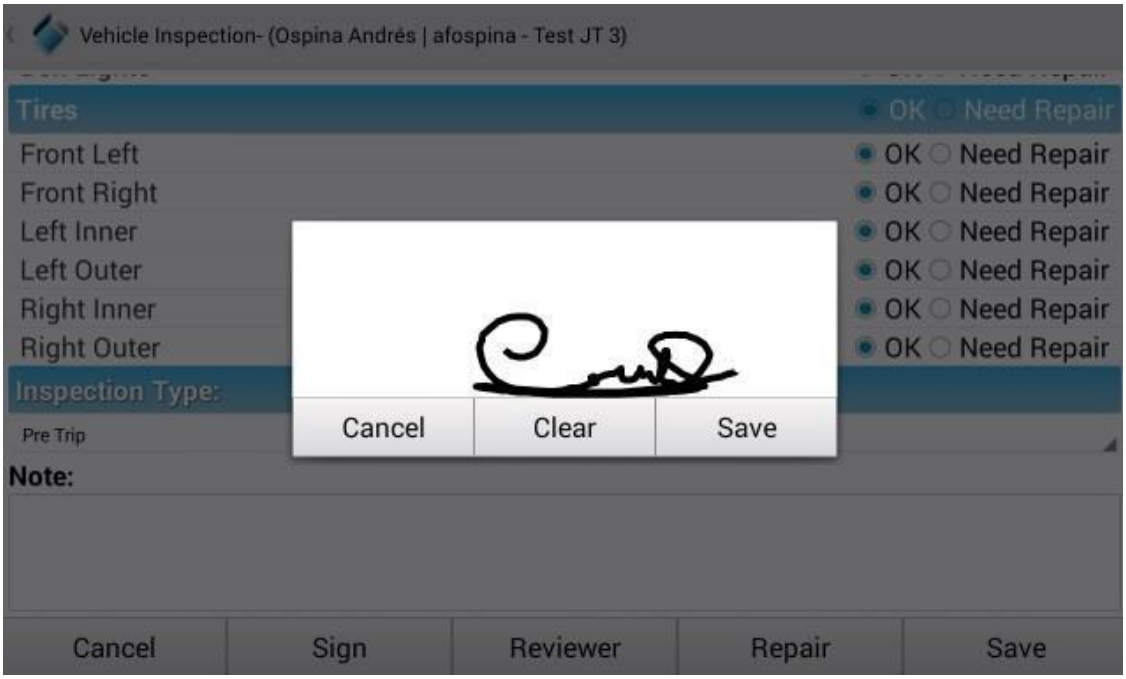
A list of options which mark is the boxes according to vehicle status, once will appear full options, inspection must be signed by the driver and the reviewer, so you select each of the buttons in the image.



Note: at the end there is a field in which is allowed to place an annotation about the inspection.

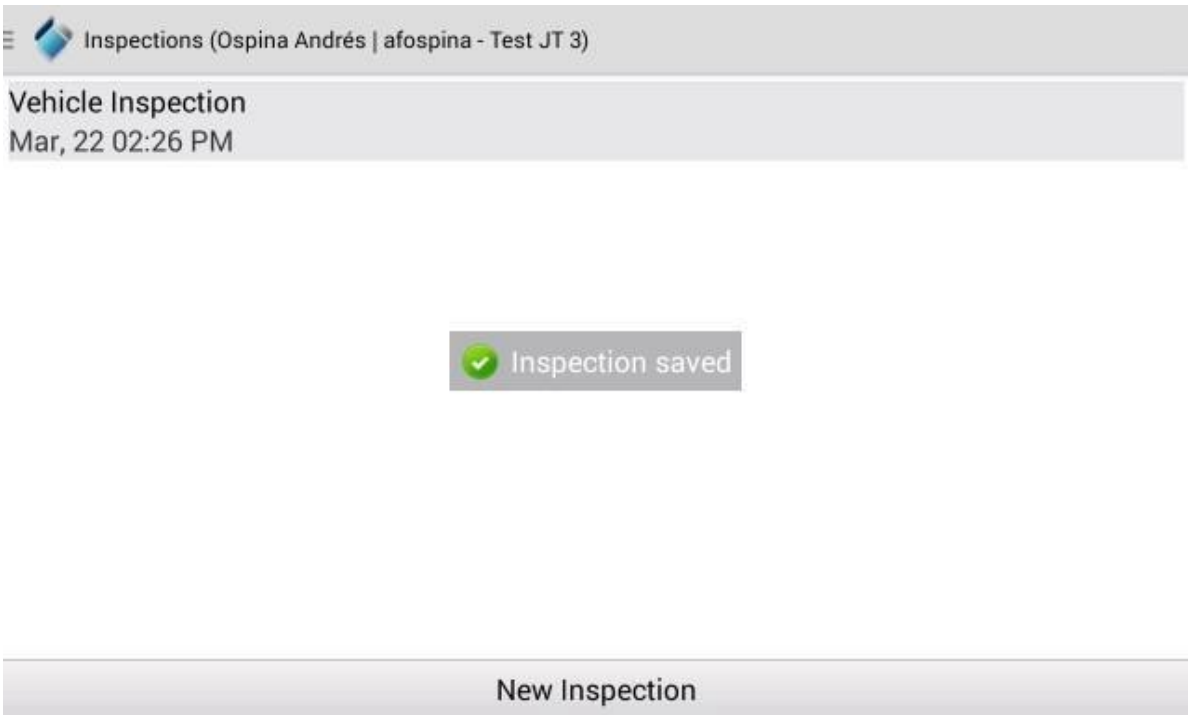


By selecting the buttons, a box where you must sign and finally to save the firm by pressing the Save button is displayed for each (driver and reviewer).



Finally, to save the inspection is pressed the **Save button.**

Saved once this inspection will be visible in Inspections with the date and time that was made.

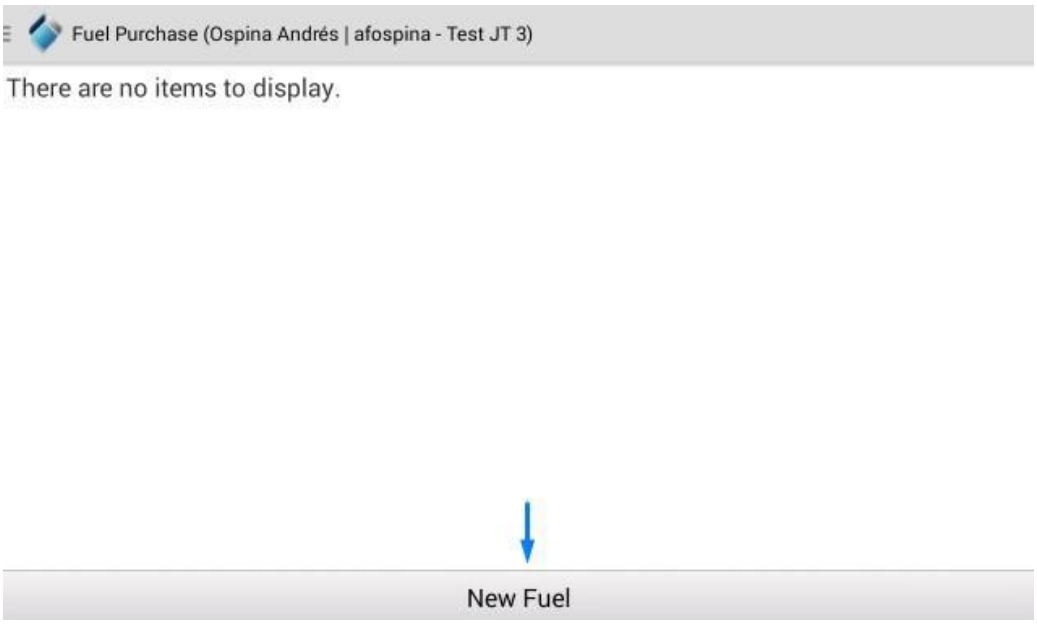


2.7.9 Routes

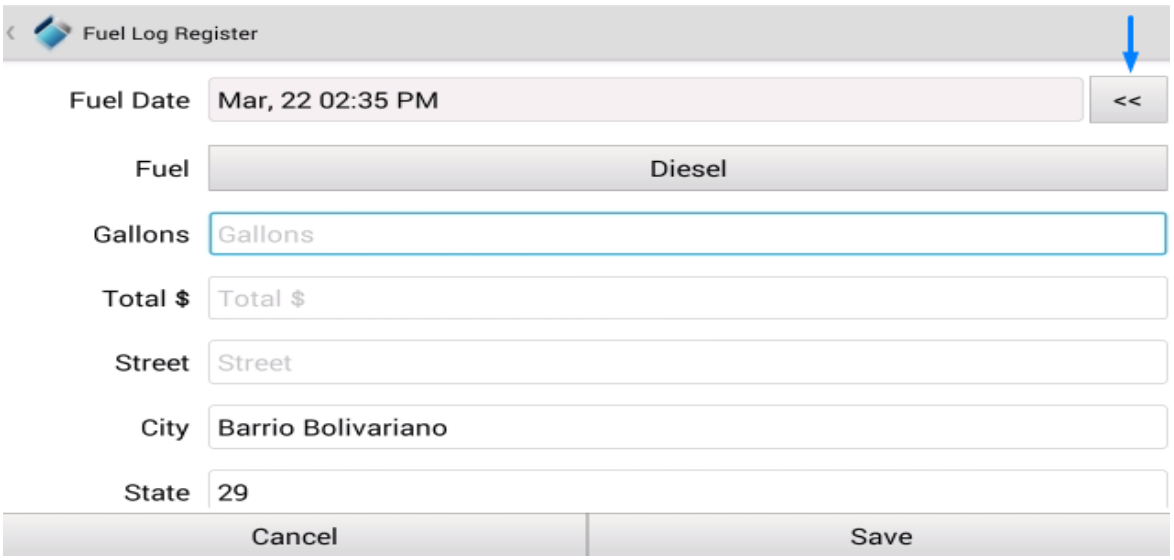
Here you can see the routes that have been assigned to the unit, these routes can be assigned only from the web application by the **motor-carrier**.

2.7.10 Fuel Purchase

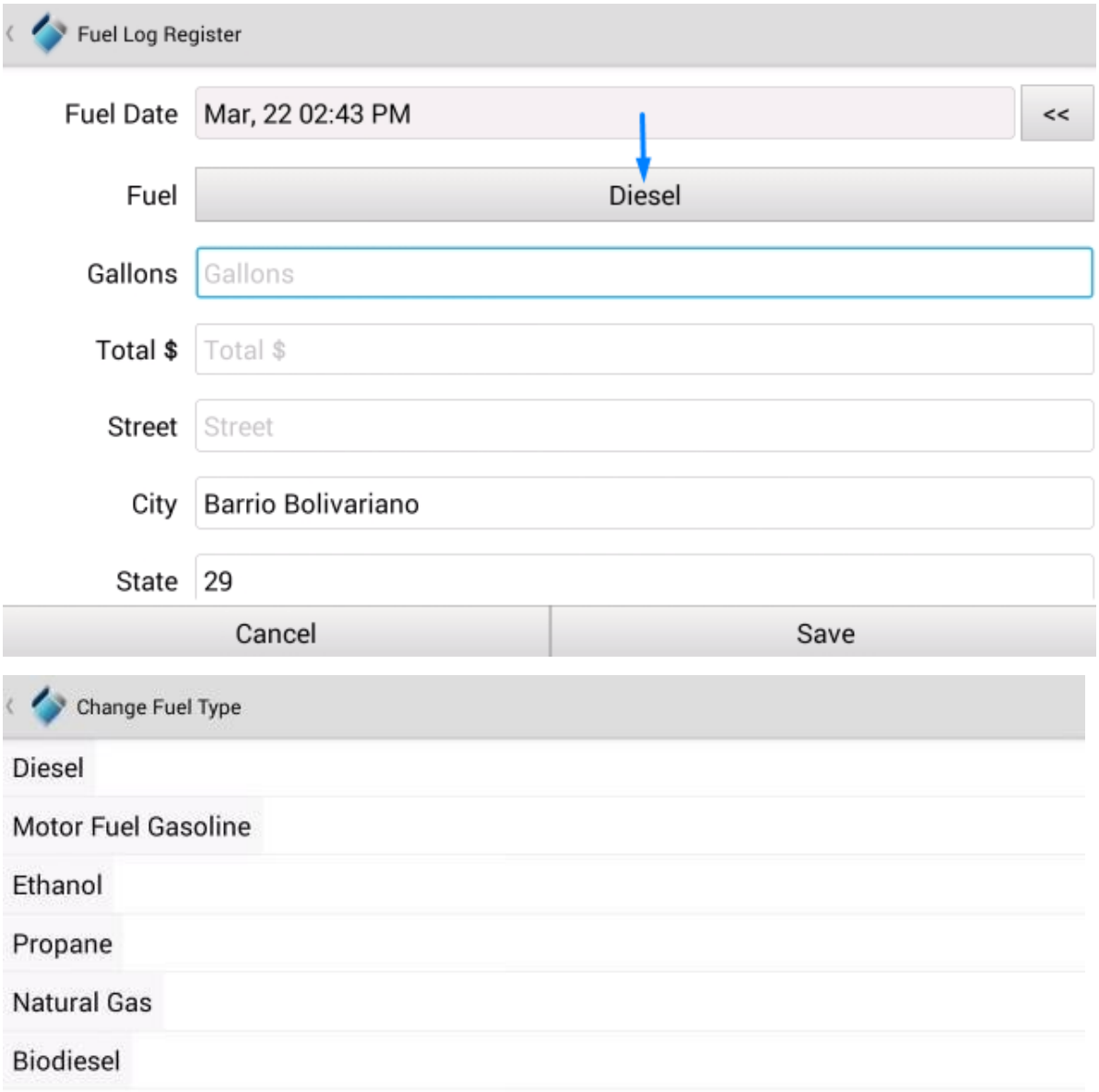
Here are the fuel purchases made by the driver. Then there will be the registration of a purchase of fuel as an example. The New Fuel button is pressed.



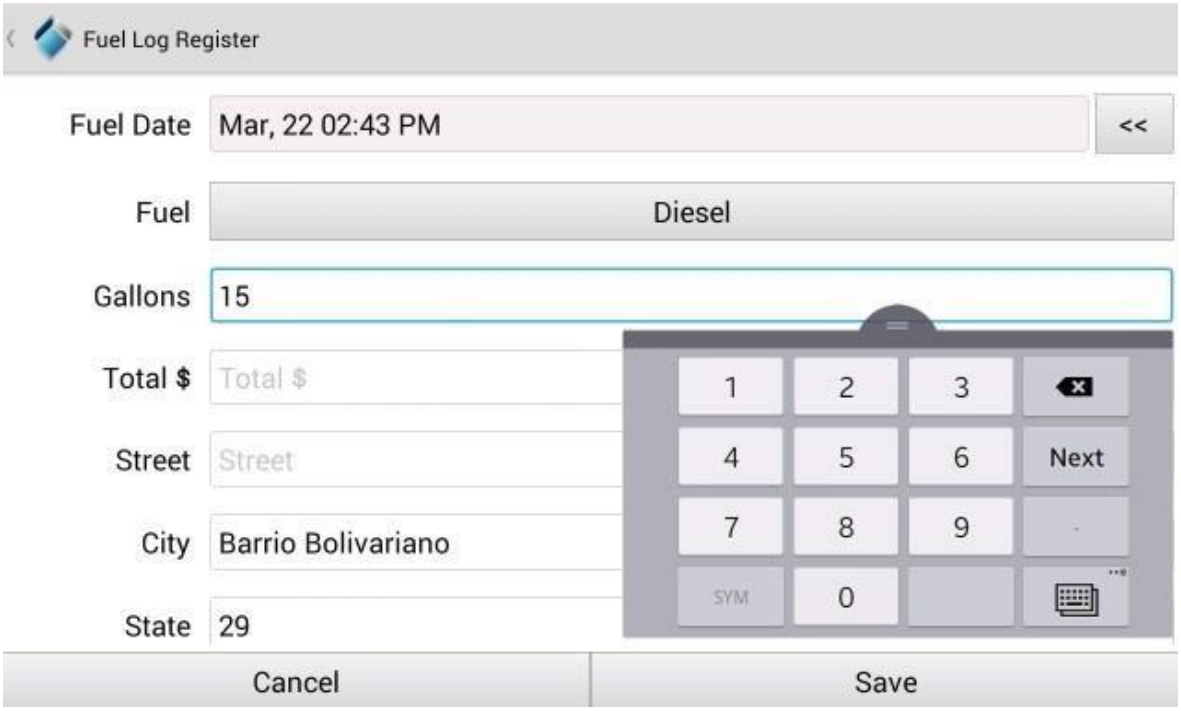
Take us to a window where it is the form to fill out for the registration of the purchase, the first field seen is Fuel Date which is the date and time that was made the purchase, by default this field has the current time of the system, if you want to change the date press the button “<<”; and ELD will display a window type calendar to choose the desired date.



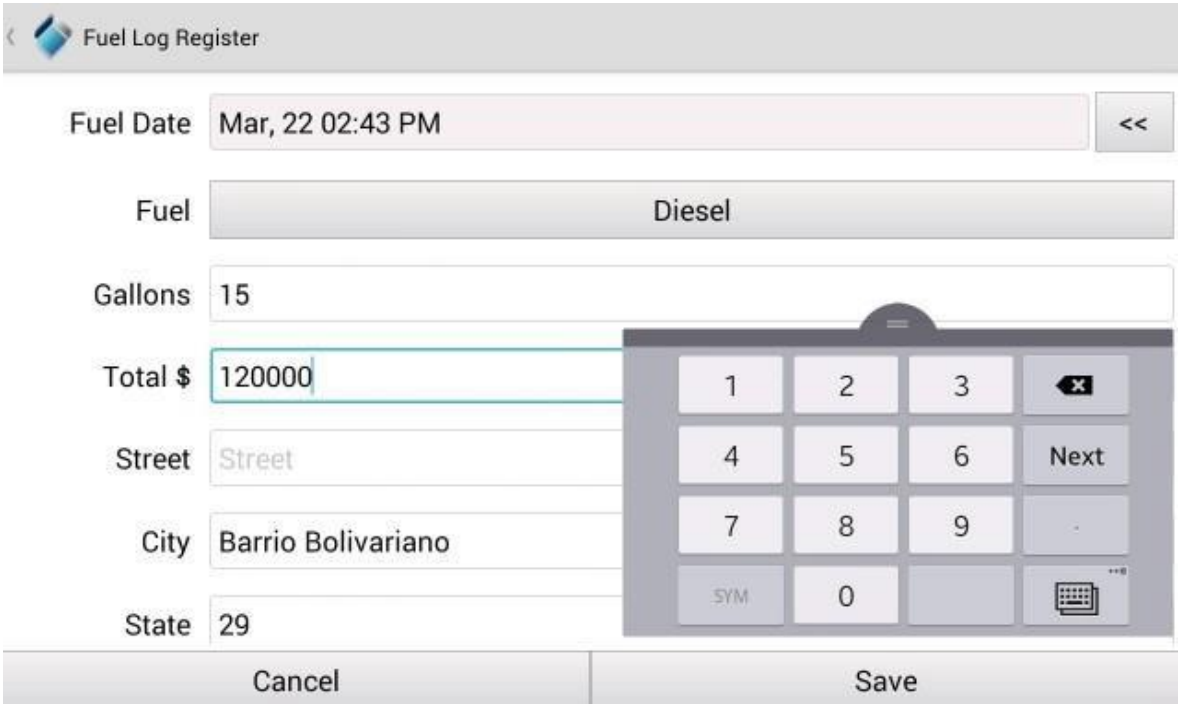
Then there is the Fuel field in which if he is pressed will load a list of fuels to choose.



In the field Gallons should be the number of gallons purchased.



In Total should be the total value of the purchase, in this case the total of the purchase of 15 gallons.



Other required fields fill up if necessary Street, City, State and Postal Code, by default the ELD fills some of these fields according to the current location obtained by GPS.

Finally press the **Save button.**

Log saved with information of the number of gallons purchased, the unit cost per gallon the date was made the purchase log and zip code can be seen now in Fuel Purchase.

2.7.11 Administration

2.7.12 About

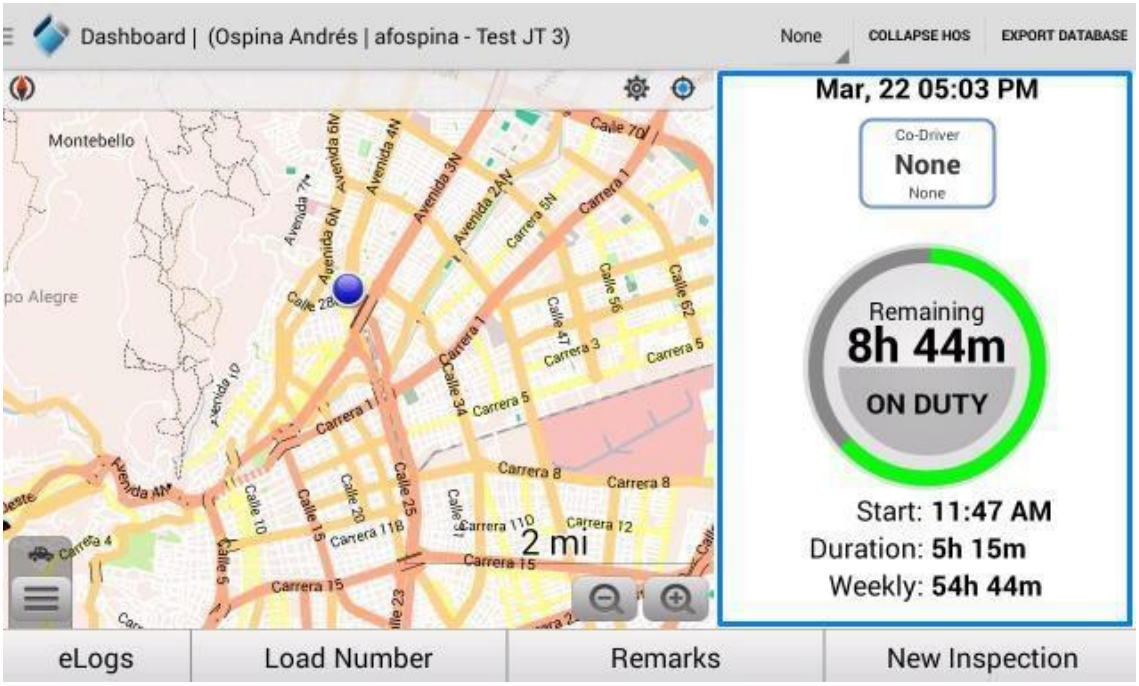
It displays the information about the implementation InCabin.

2.7.13 Log Out

Closes the session for the current user in the ELD.

3.3 HOS

Compliant with Federal Motor Carrier Safety Administration (FMCSA), Hour of Service module let you have control over the drivers' hour. Some of the functionalities are: Drivers can manually change their status or the system can do it automatically when detecting movement from the vehicle. Driver status will automatically end according to regulations.

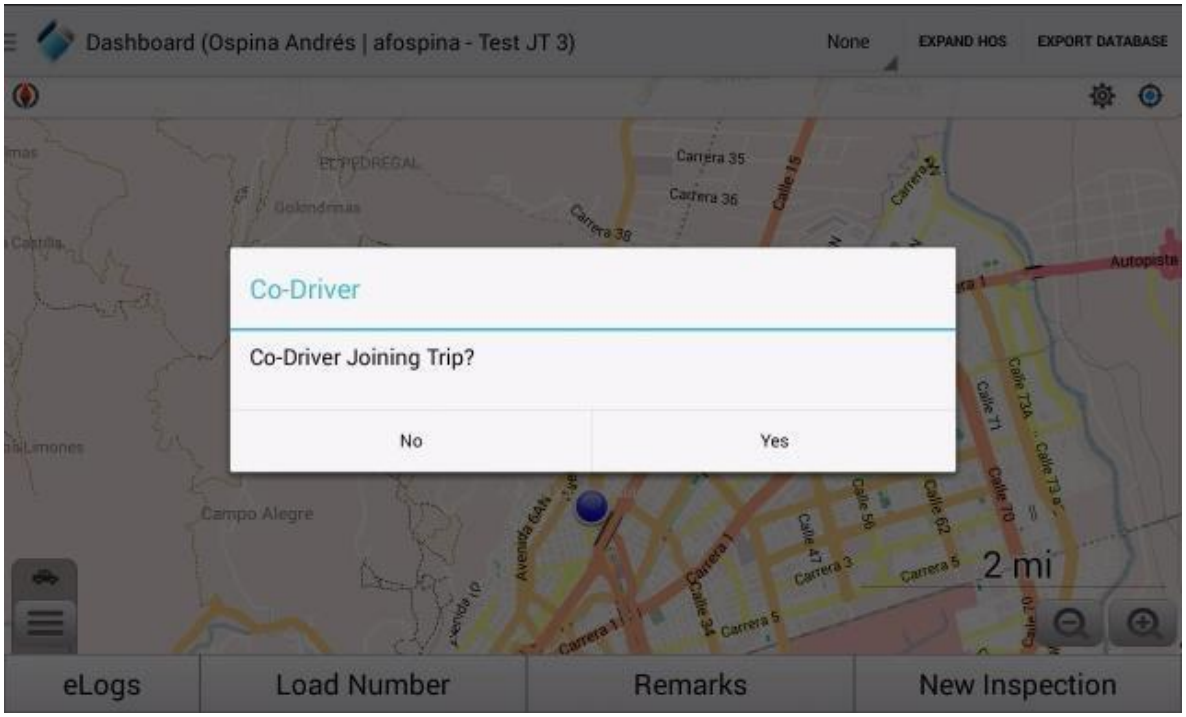


3.3.1 Status

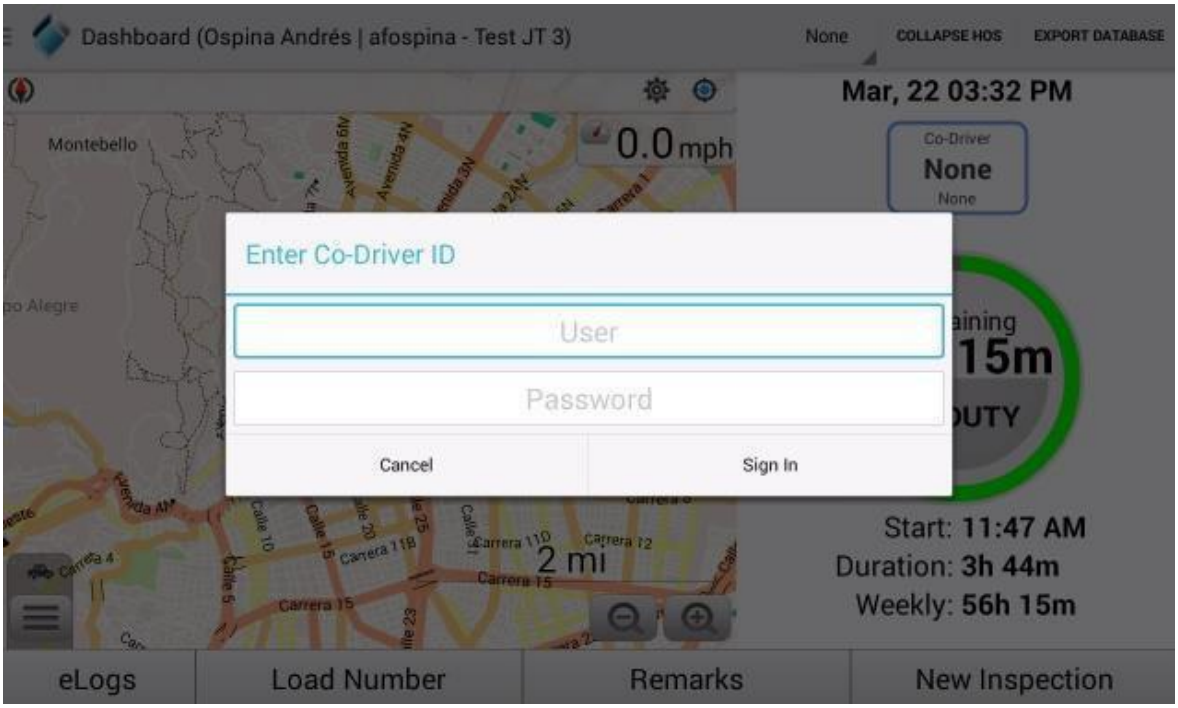
There are four states of service that must be considered, which are:
OFF DUTY this State is when the driver is not working, IE is out of service.
SLEEPER this state when the driver is resting or sleeping.
DRIVING this State is when the driver is driving.
ON DUTY this State is when the driver is in service.

3.3.2 Co-Driver

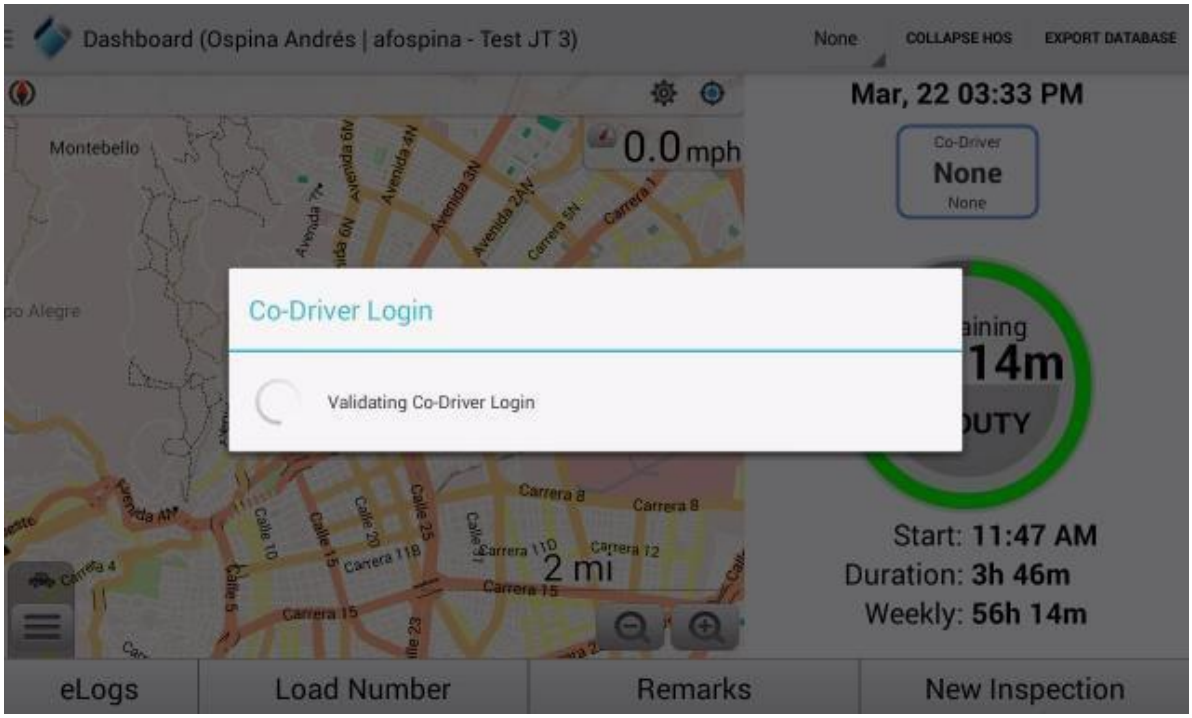
There are 2 ways to add a Co-Driver to the ELD, the first is to sign the Driver in and a box appears asking if you want to log in.



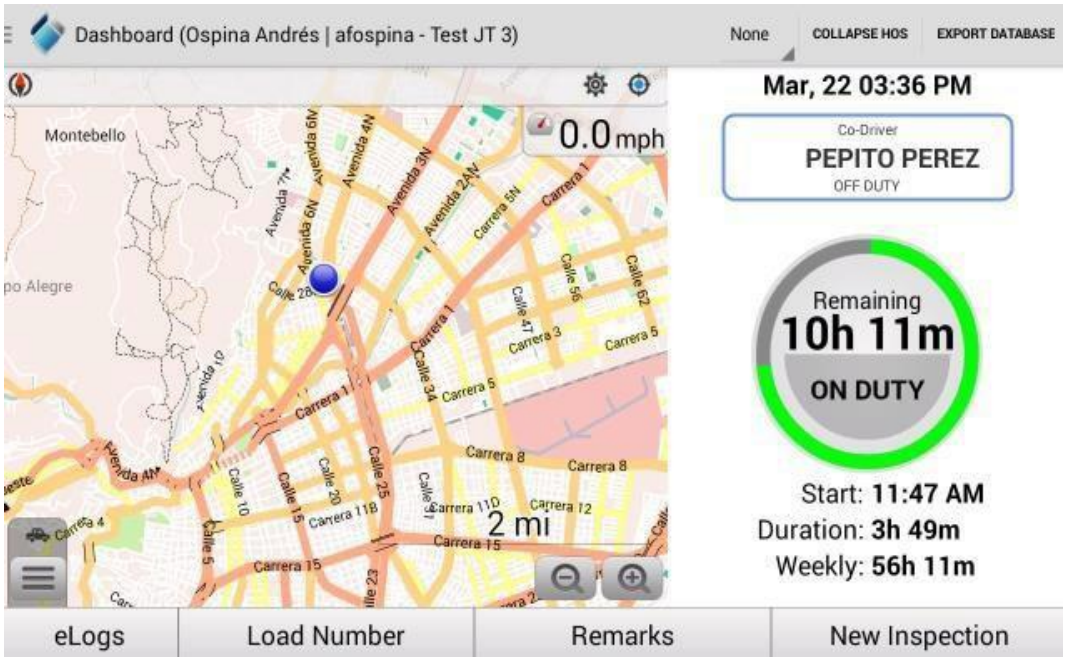
Another box will appear, in which the Co-Driver's credentials must be entered, will once you press yes.



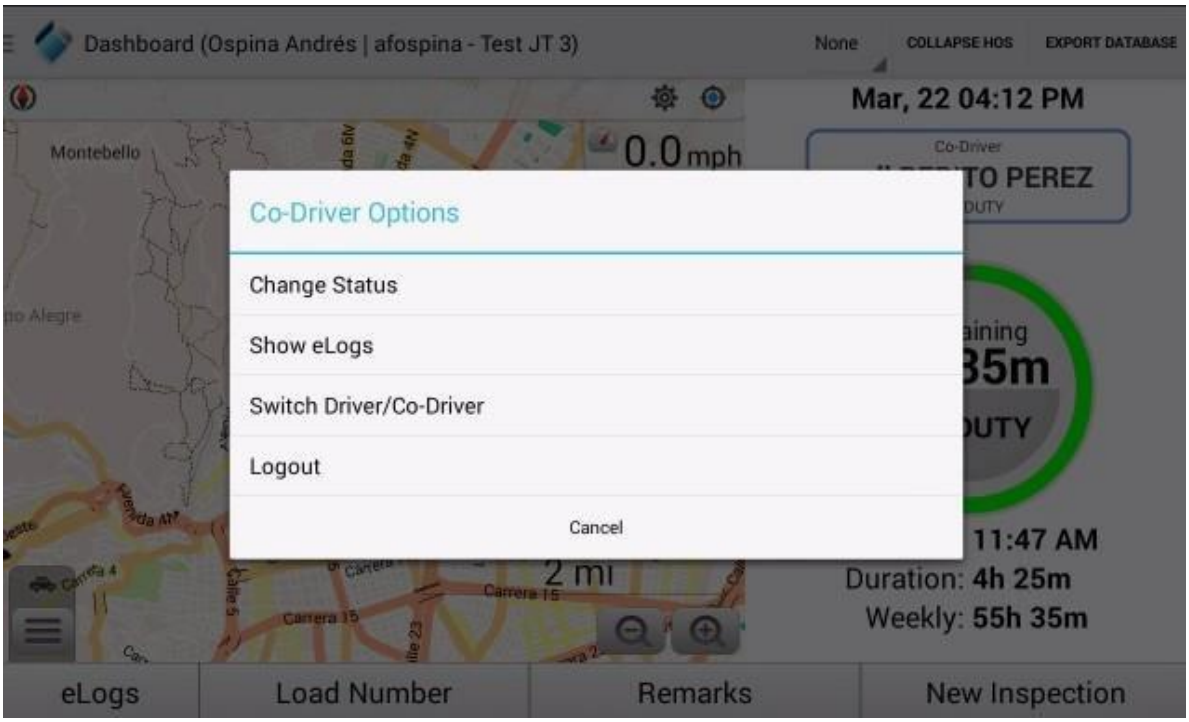
Once validated information the name of the Co-Driver will be shown in the box with the State that he already is such as **OFF DUTY, SLEEPER, DRIVING** or **ON DUTY** (see Status).



The Co-Driver has some options which can be displayed by pressing on the Co-Driver box these options are:

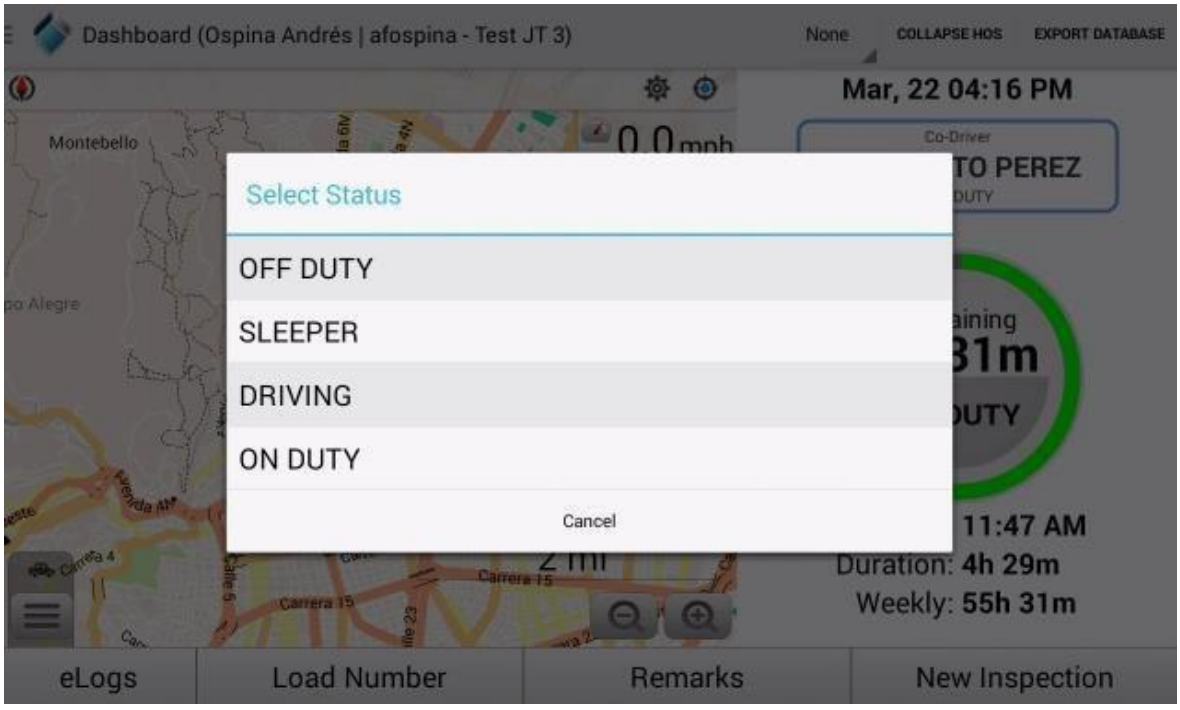


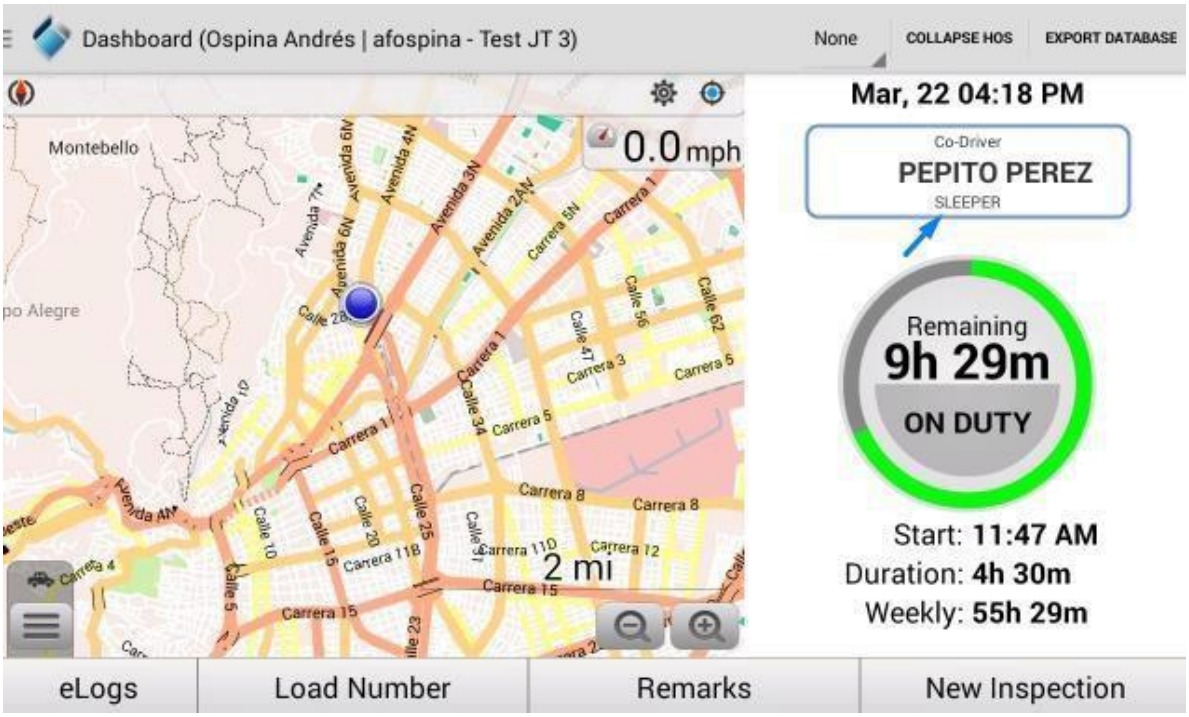
Selecting this option shows a box with States (Status), and allows you to change the status of the Co-Driver with some of those States.



3.3.2.1 Change Status

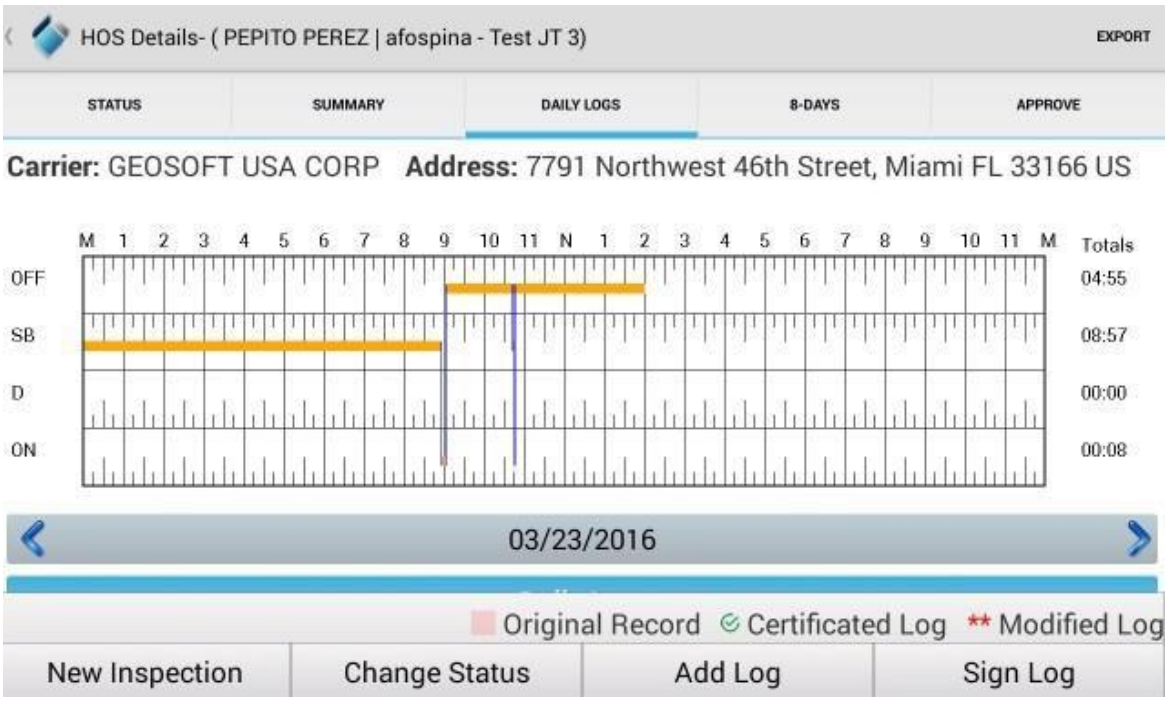
When you select one of the States, this will be reflected in the Co-Driver Box.





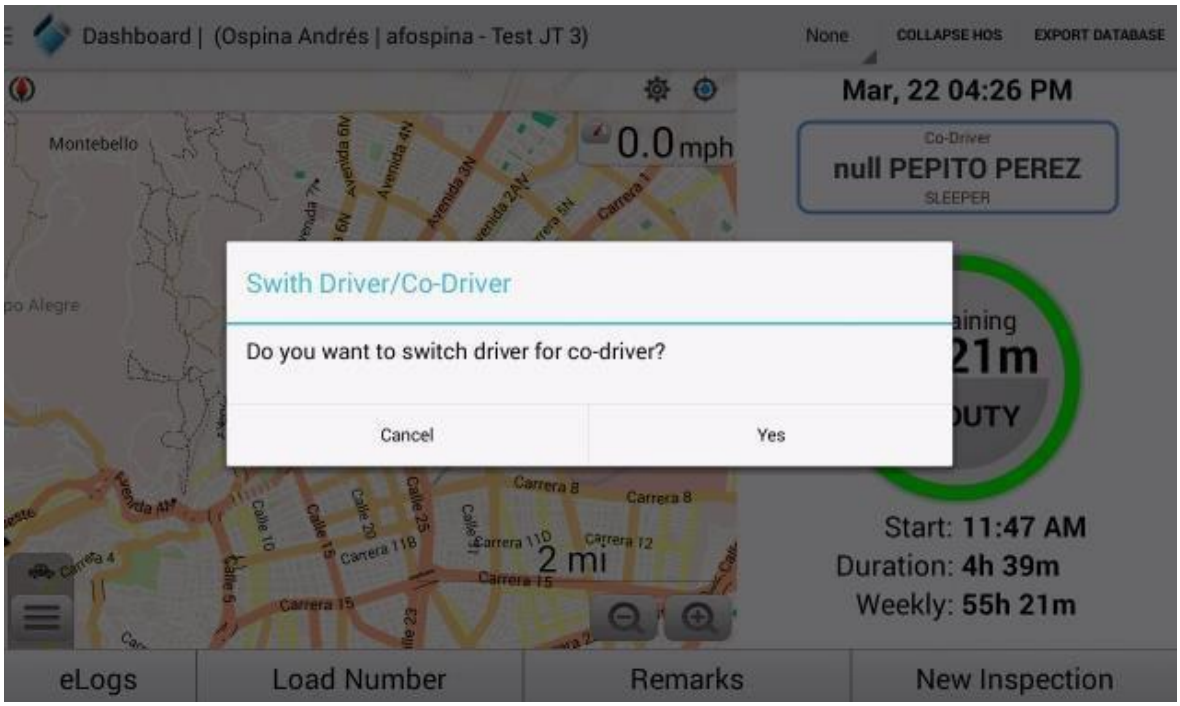
3.3.2.2 Show eLogs

Displays the eLogs's Co-Driver as he shows them to the Driver.



3.3.2.3 Switch Driver/Co-Driver

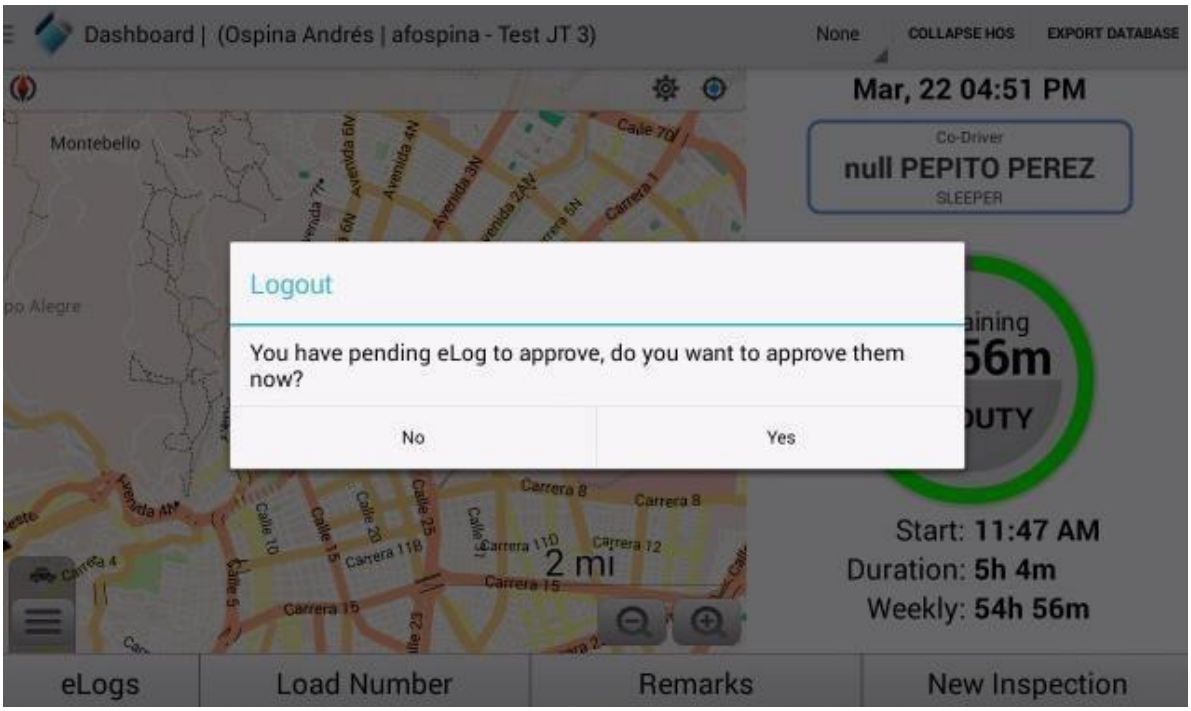
This option allows you to toggle the Co-Driver with the Driver, selecting this option displays a box in which it requests confirmation of the change to make.



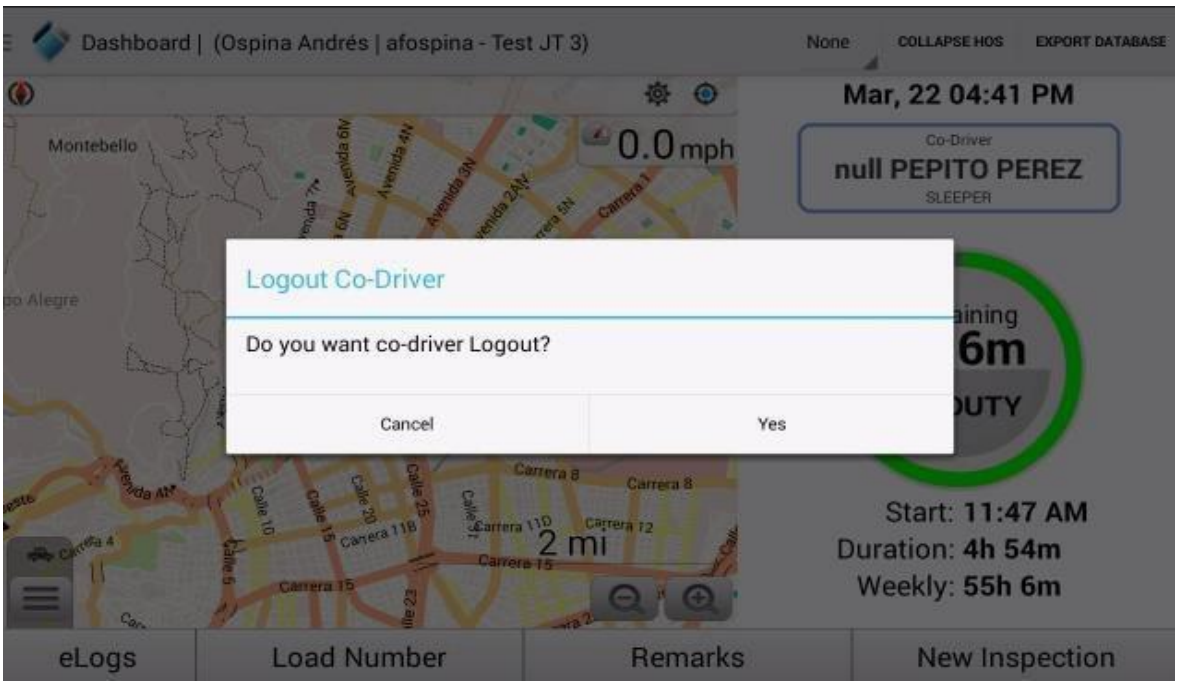
By selecting the option YES ELD proceeds to make the change and displays a success message on the screen, in this mode the Co-Driver would become the Driver and therefore has all the options available to the Driver.

3.3.2.4 Log out

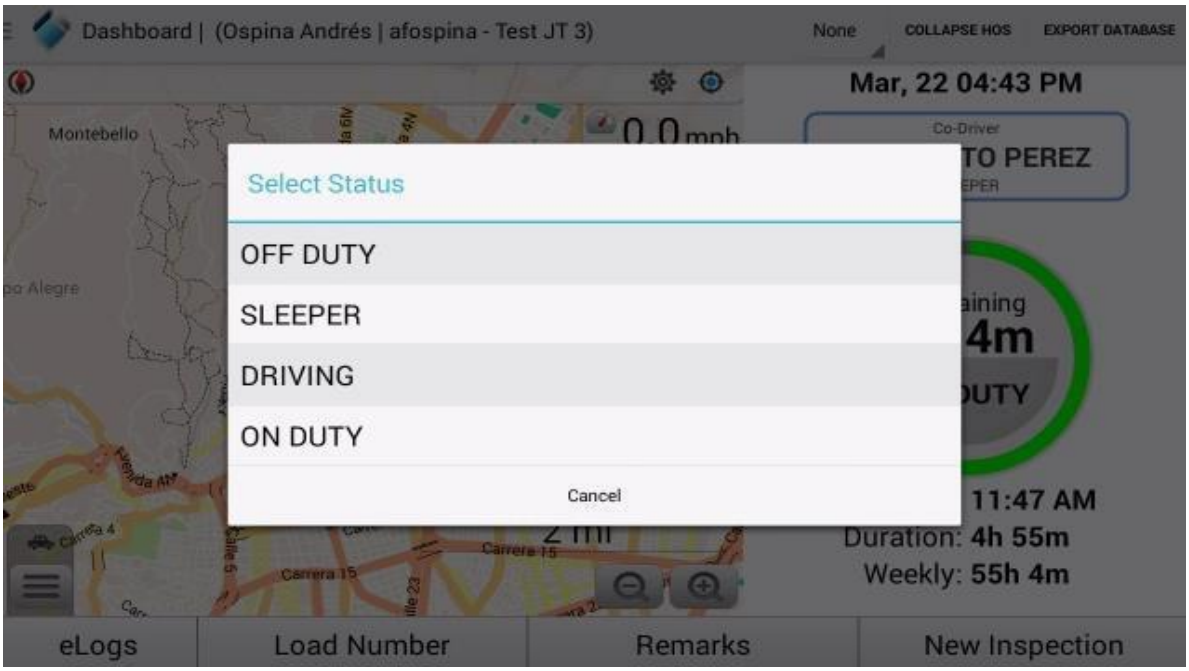
Selecting this option will have a box appear which prompts you to approve the pending Co-driver records be approved, once the approval has been done.

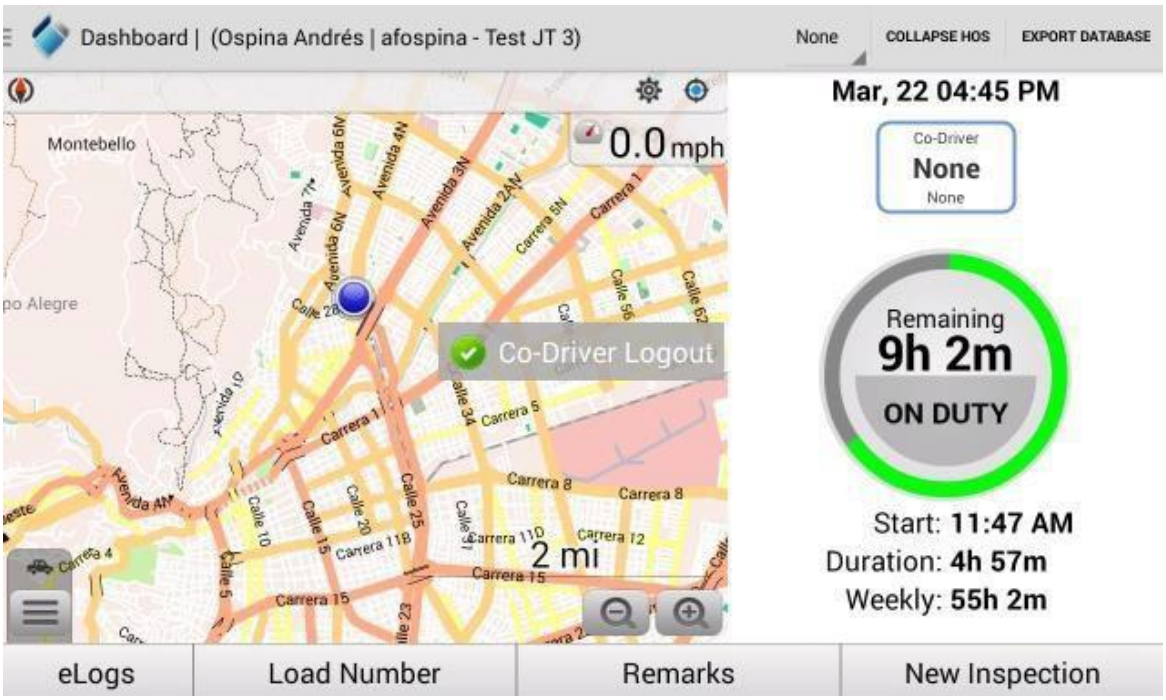


Once the approval of pending records has been completed, a window will be shown asking if you want to log out of Co-Driver.



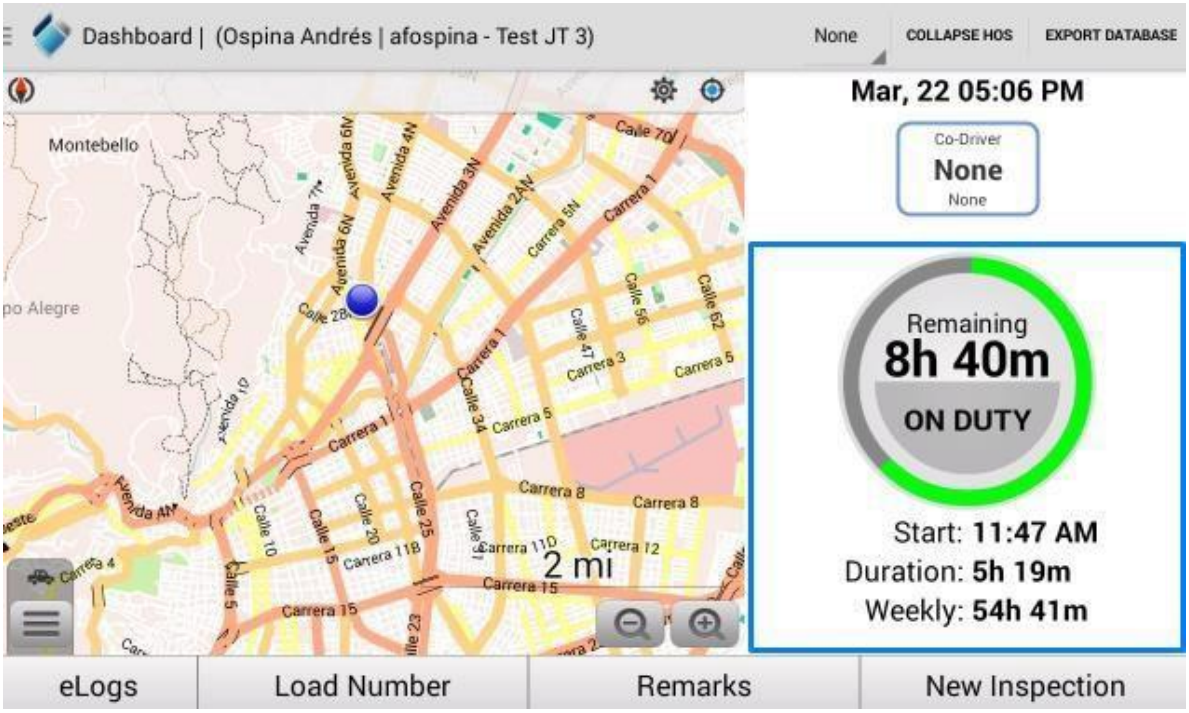
Finally the State is changed and information with respect to that State as the time remaining on the current day is displayed, also you can see the time that the State **ON DUTY** was begun, the duration which leads in that State since he transferred to it and the remaining week time **ON DUTY**.

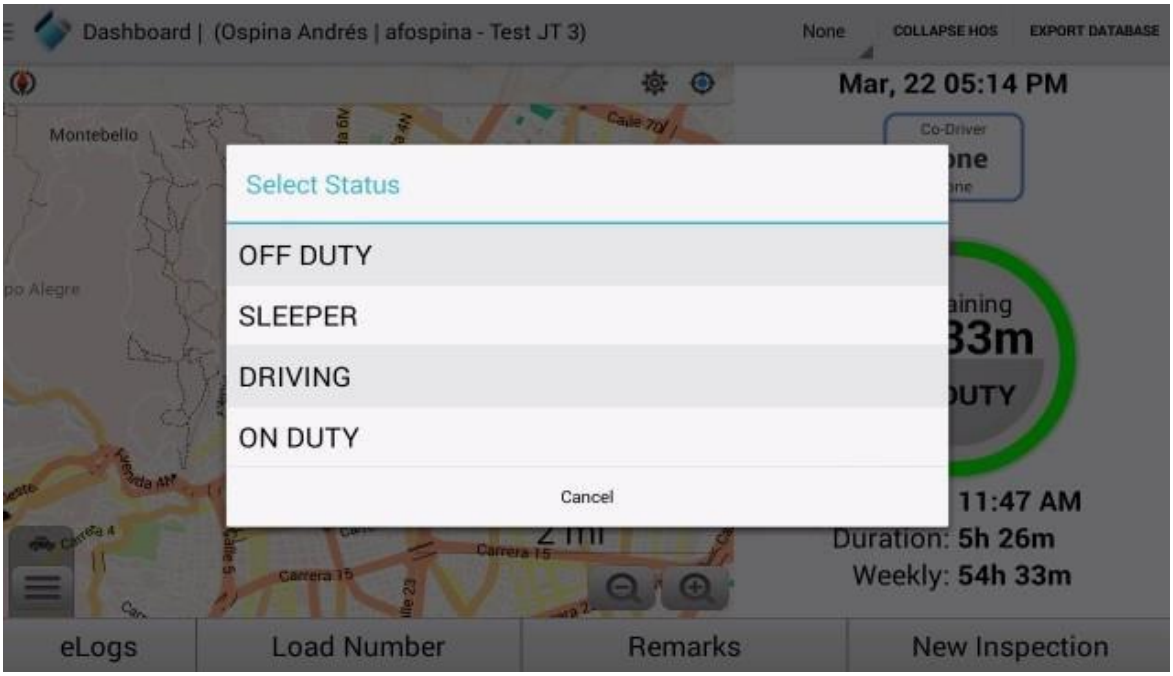




3.3.3 Change Status

Finally the State is changed and information with respect to that State as the time remaining on the current day is displayed, also you can see the time that the State ON DUTY was begun, the duration which leads in that State since he transferred to it and the remaining week time ON DUTY.

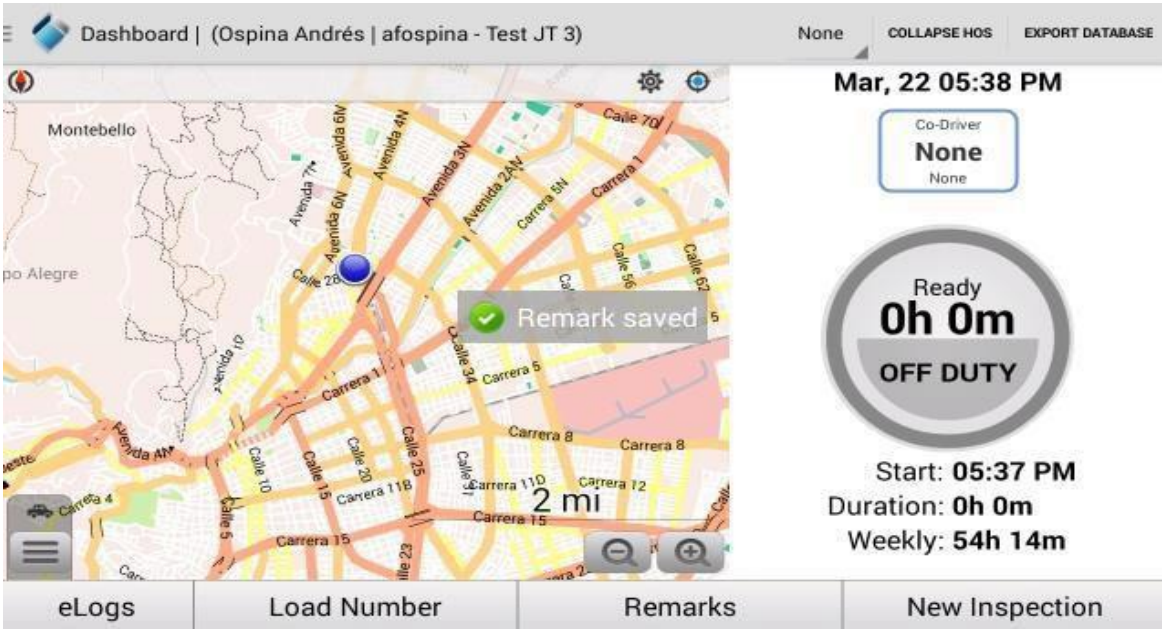




3.3.3.1 OFF DUTY

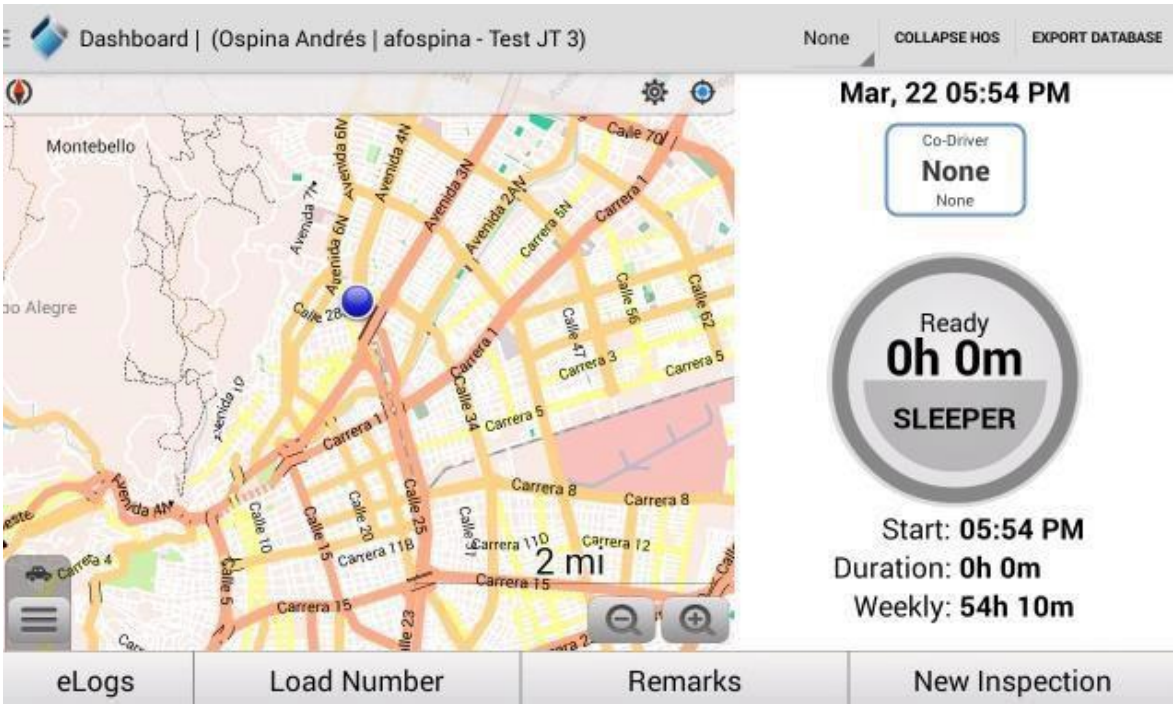
Selecting the option of State OFF DUTY will show a window which lets you select a comment if desired by the Driver.

If you select any of the observations, a message indicating that the observation was saved successfully will be displayed, also you can see the time that State OFF DUTY was selected, the duration that it has been in that State since he changed to it and the time ON DUTY for the remaining week.



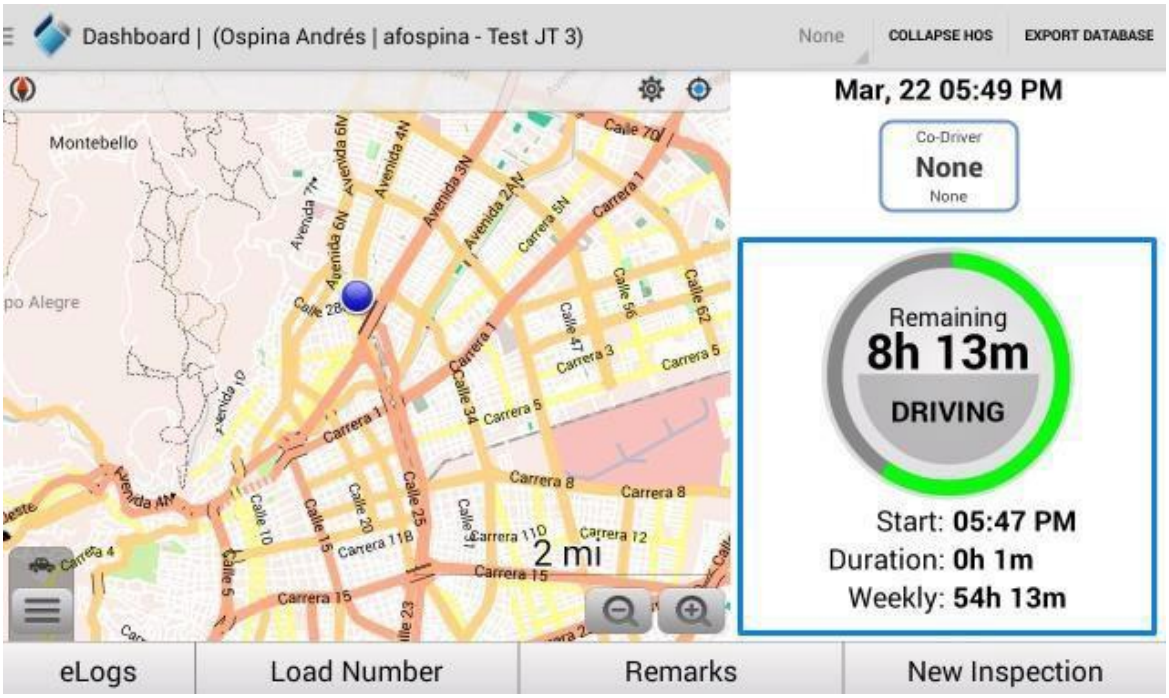
3.3.3.2 SLEEPER

When Sleeper State option is selected, a message that the State was changed to Sleeper correctly. Also you can see the time that home State SLEEPER has been selected, the duration that it has been in that State since and the time ON DUTY for the remaining week.



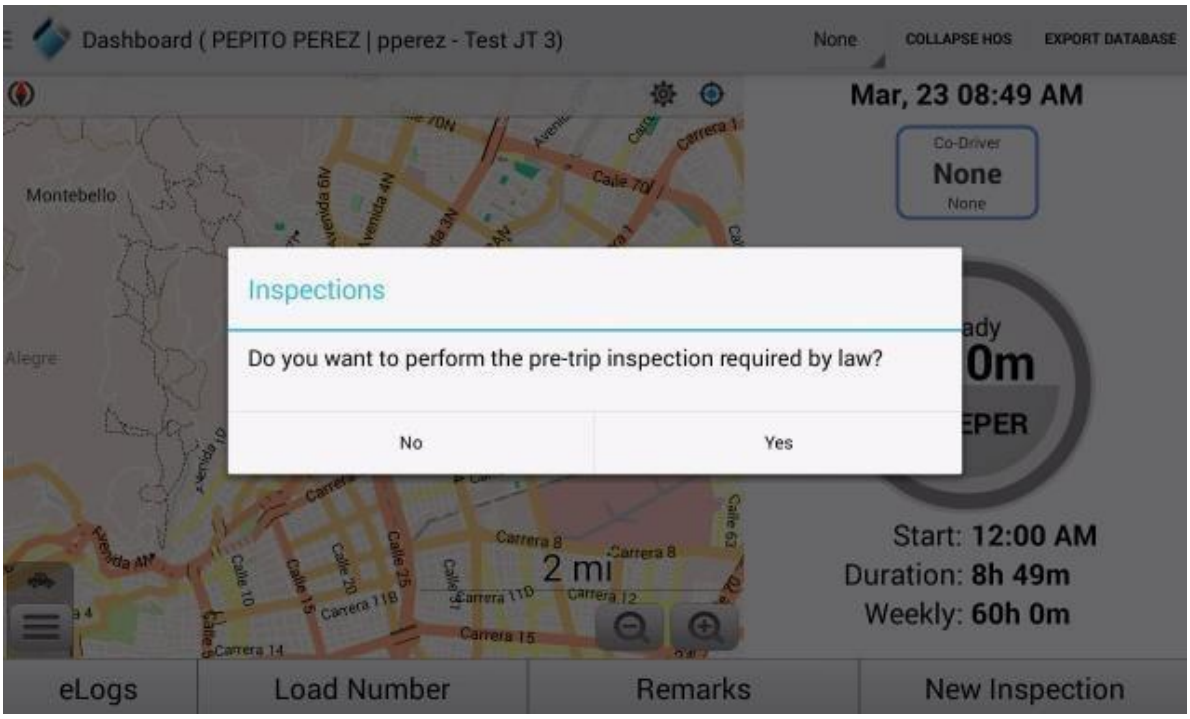
3.3.3.3 DRIVING

Selecting the option of the state Driving changes the State and displays information about that State, such as the time remaining in the current day. Also you can see the time that the state DRIVING was begun, the duration which leads to that State since he transferred to it and the remaining week time ON DUTY.

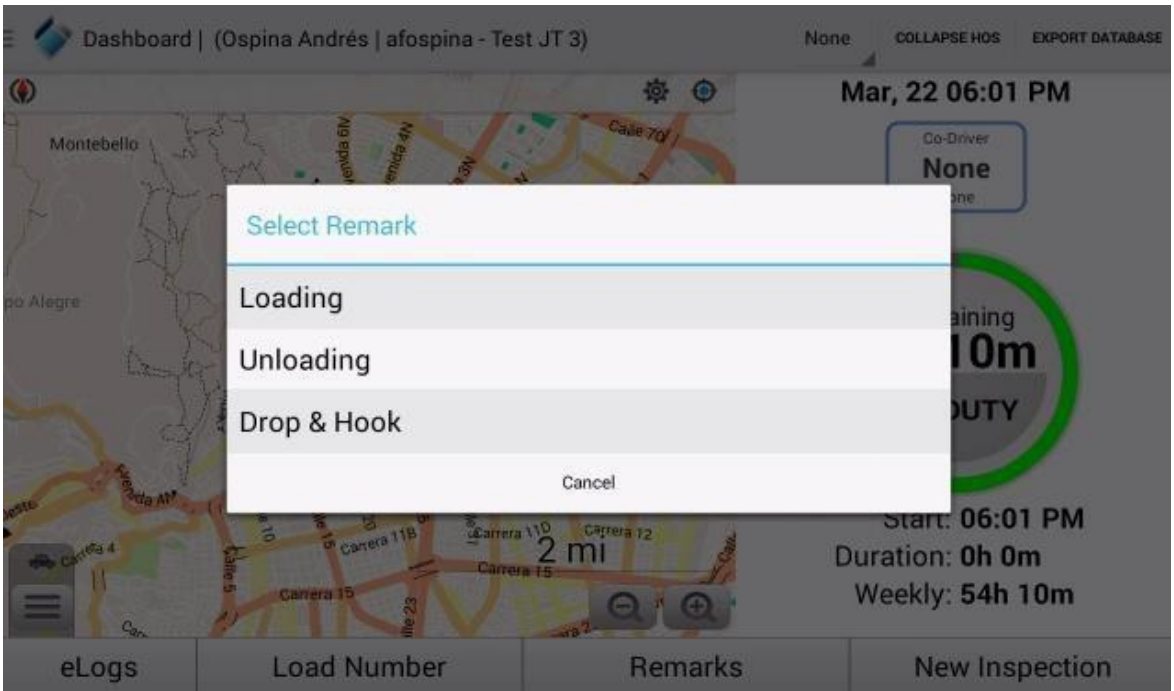


3.3.3.4 ON DUTY

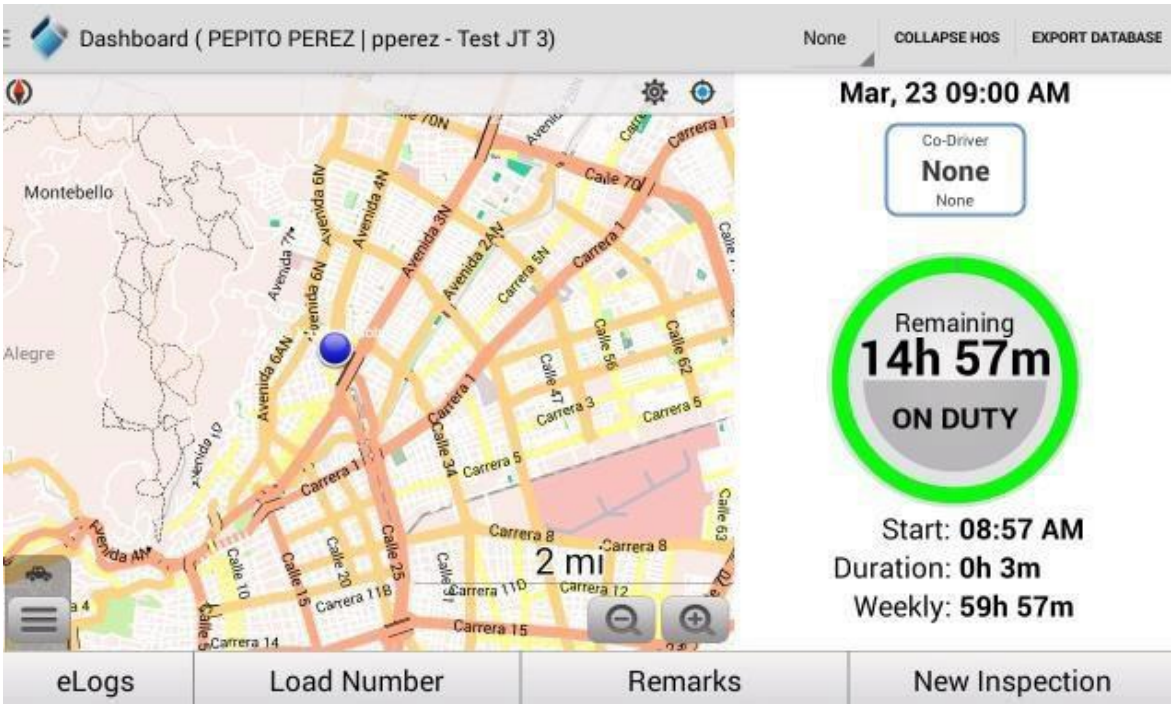
When selecting the ON DUTY status a box will display in which whether or not you want to perform the inspection required by law.



If you pressed YES you will then be taken to the inspection see more.
Then a box will appear which permits the Driver to select an observation if they so choose.

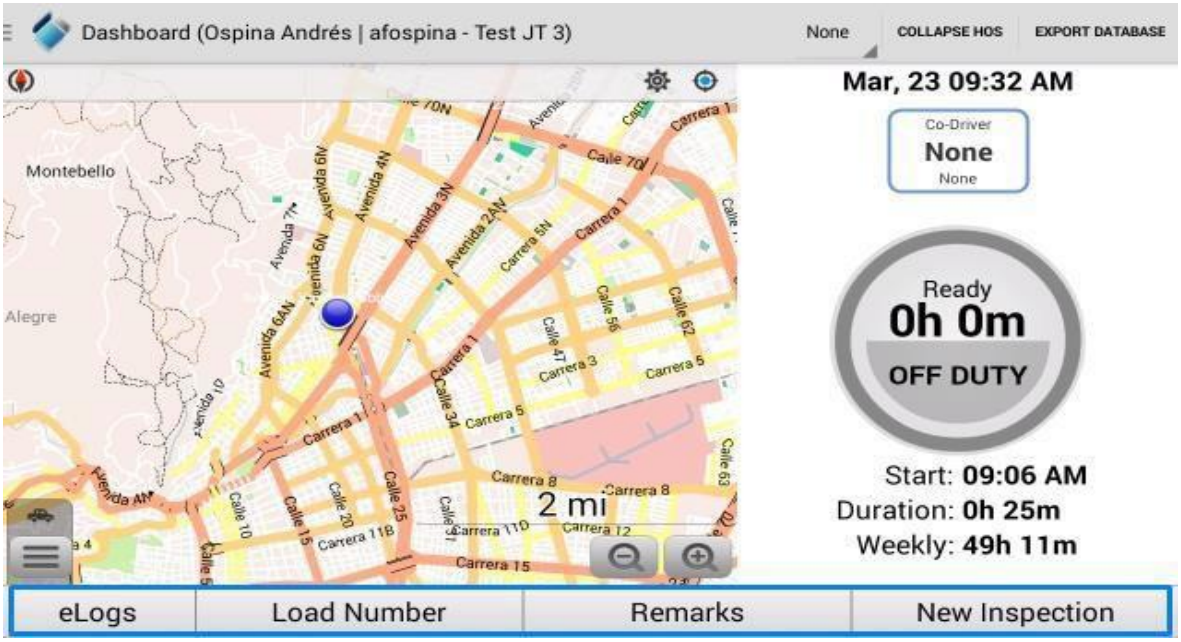


Finally the State is changed and information with respect to that State as the time remaining on the current day is displayed, also you can see the time that the State ON DUTY was begun, the duration which leads in that State since he transferred to it and the remaining week time ON DUTY.



3.4 LOWER DASHBOARD

Four items which are eLogs, Load Number, Remarks, New Inspection are located at the bottom of the Dashboard.



3.4.1 eLogs

There are five tabs: Status, Summary, Daily Logs, 8-Days, Approve

3.4.1.1 STATUS

Contains the State information that is for the current driver and current day information.

STATUS

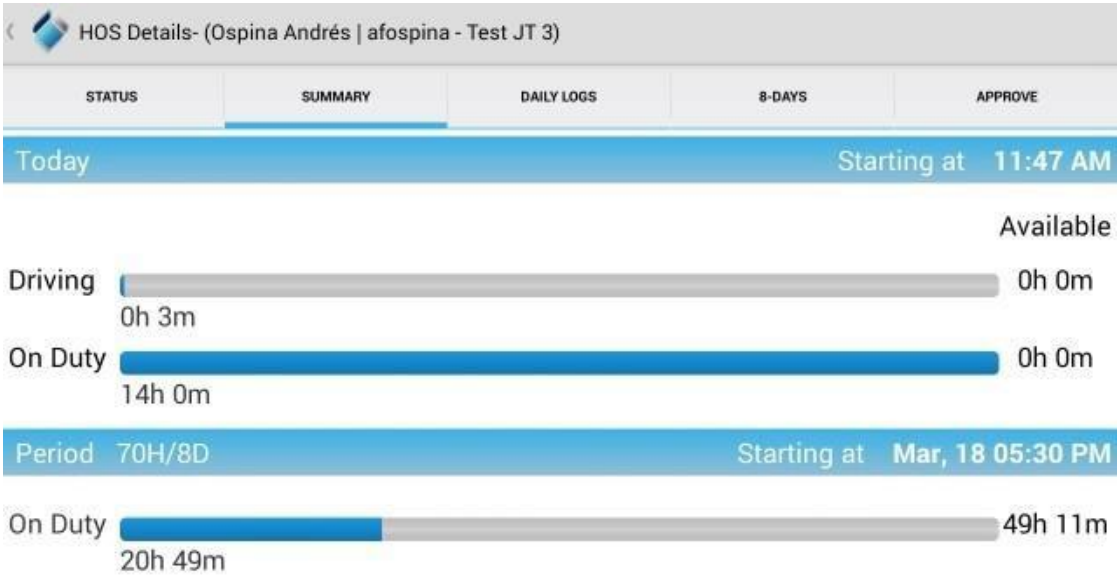
Status: **OFF DUTY**
Start: **Mar, 23 09:06 AM**
Current: **Mar, 23 09:39 AM**
Duration: **0h 32m**
Load #: **1144**
Trailer #:

TODAY

Starting Time: **12:00 AM**
On Duty Time: **9h 1m**
Driving Hrs: **0h 0m**
Odometer: **905.04 mi**
Mileage: **8.00 mi**

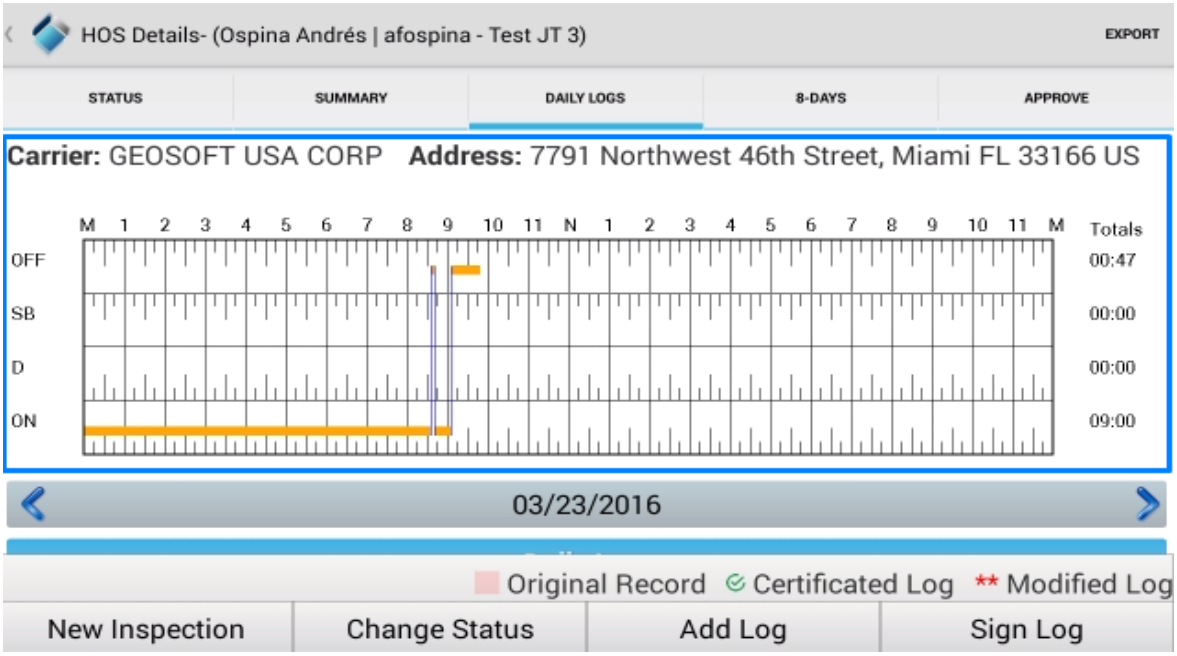
3.4.1.2 SUMMARY

There is a summary of the time DRIVING and On Duty today, plus a summary of the time On Duty of the period of 70 H/7 d or 80 H/8 d depending on the HOS profile assigned by the bike-carrier.



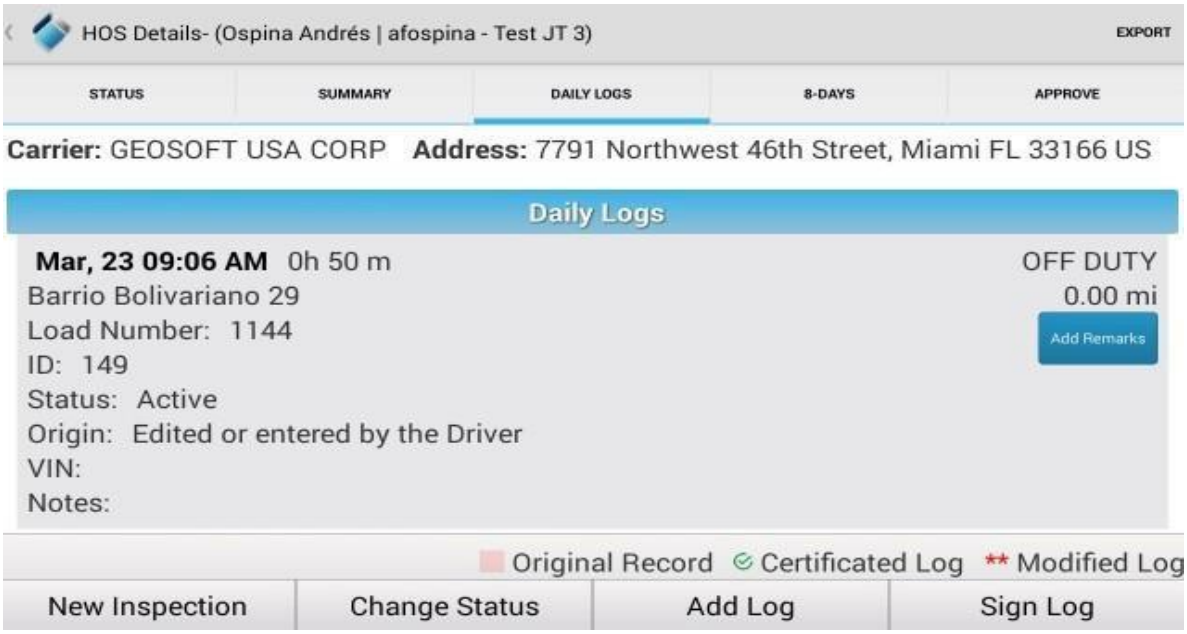
3.4.1.3 DAILY LOGS

It contains the name and address of the company, a graph which shows the total time in each of the States.



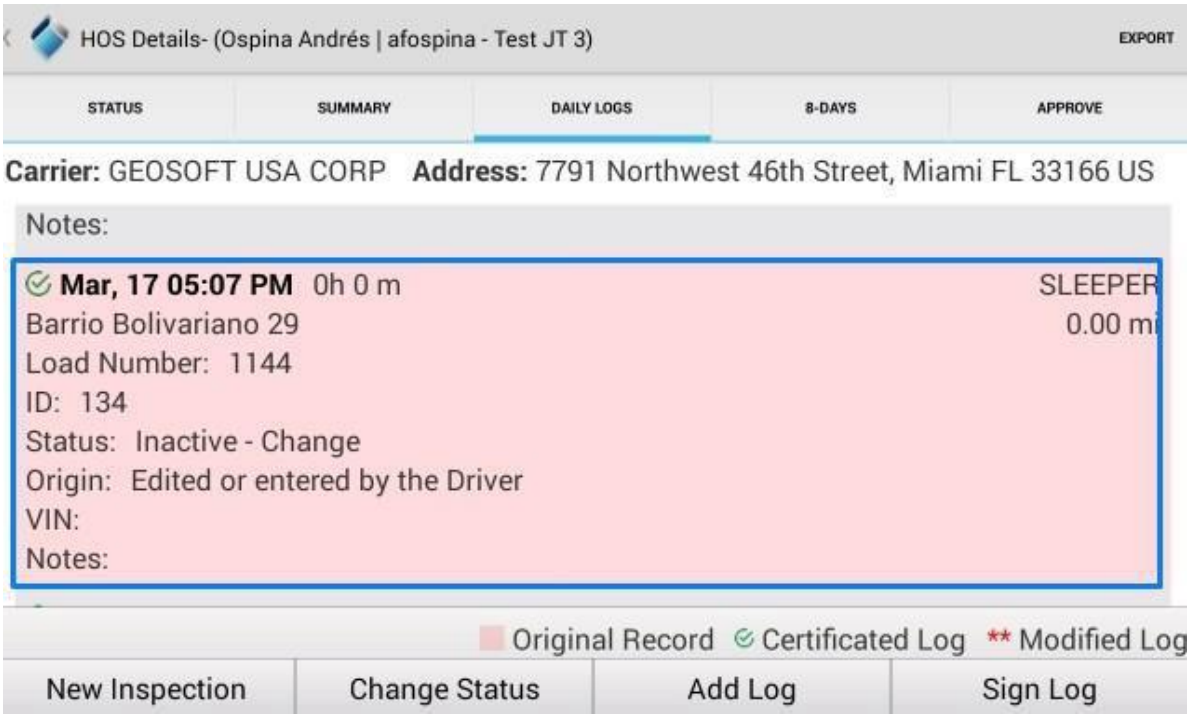
In the bottom it has detailed information on changes of State, in the course of the day, the information contained is:

Date, time, and time being in that State, type of State (OFF DUTY, SLEEPER, DRIVING ON DUTY), neighborhood or location, mileage, number of sent (Load Number), remarks, ID, Status, Origin, VIN, Notes.

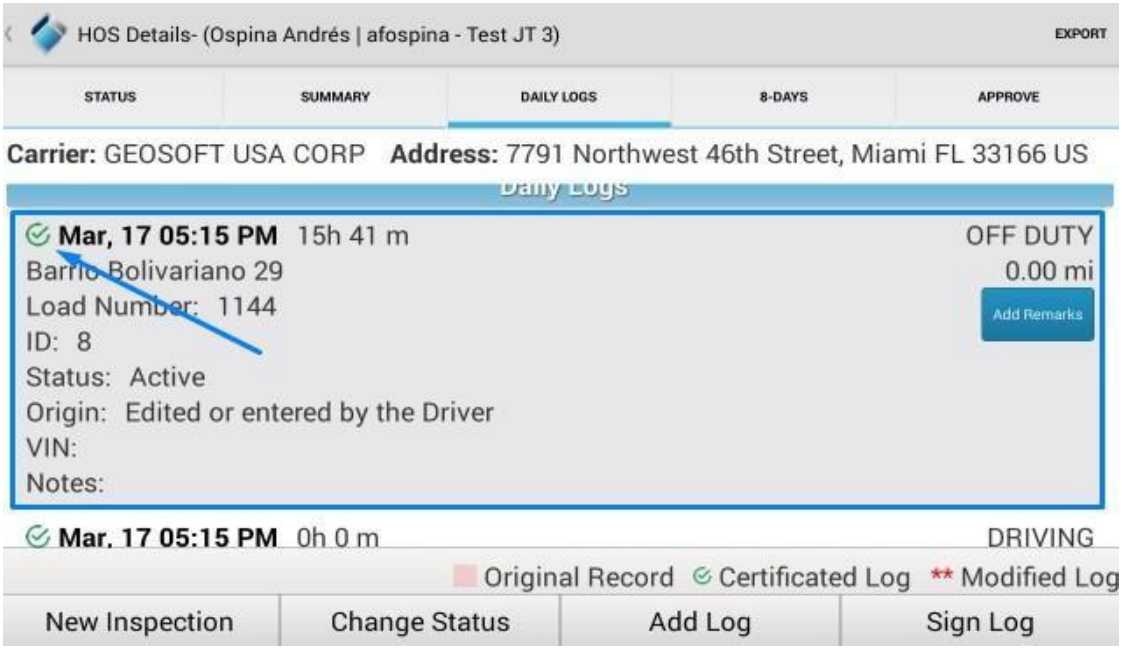


You can see the Daily Logs of previous days, just select it in the date bar, by pressing the arrow back.

There are 3 identifiers of records, Original Record, Certificated Log and Sign Log, the first is when a record has been modified, the "new" record and the original with a slightly red color is displayed.



The Certificated Log are those records that have been previously approved by the Driver.



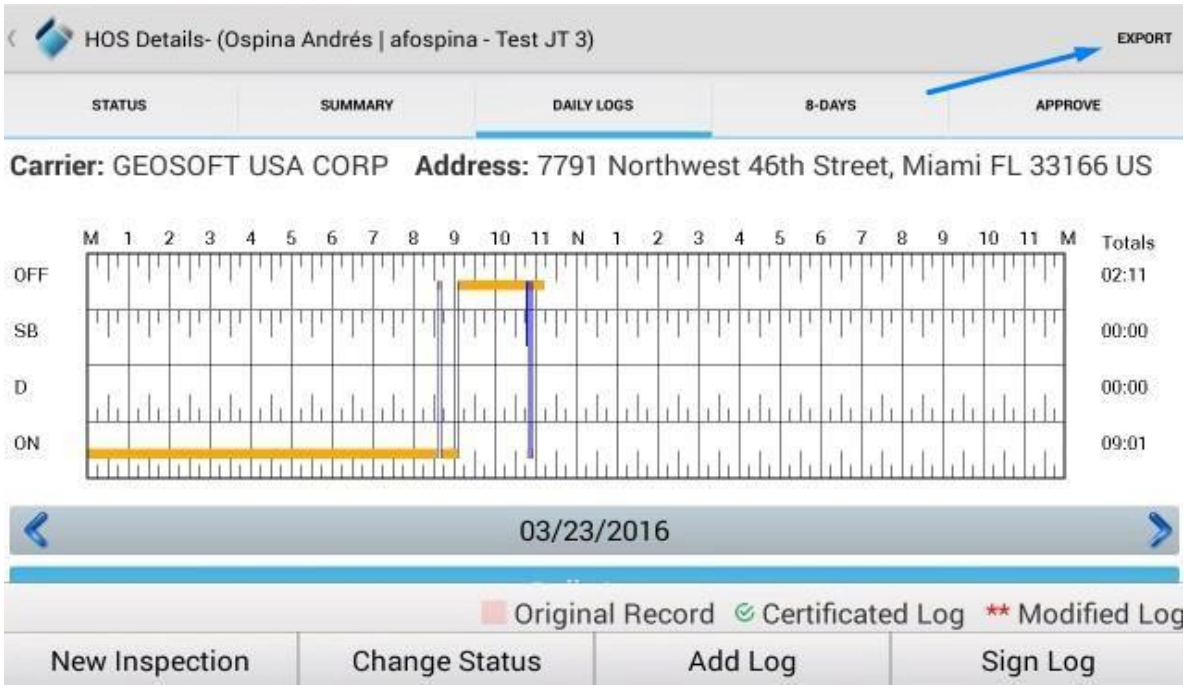
And the modified records, which are identified by having **

New Inspection, Change Status and Add Log Sign Log are in the lower part of the Daily Logs.

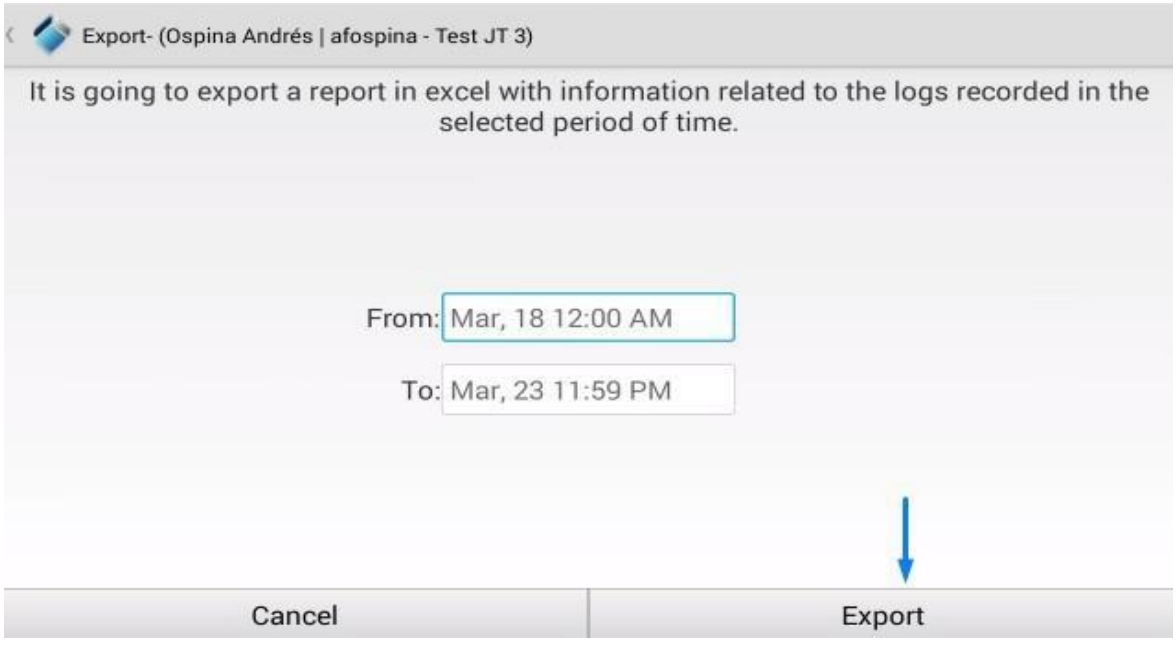
3.4.1.4 EXPORT

It's the way that you can export reports in the event that a security officer requires it, simply press the EXPORT button for

exporting.

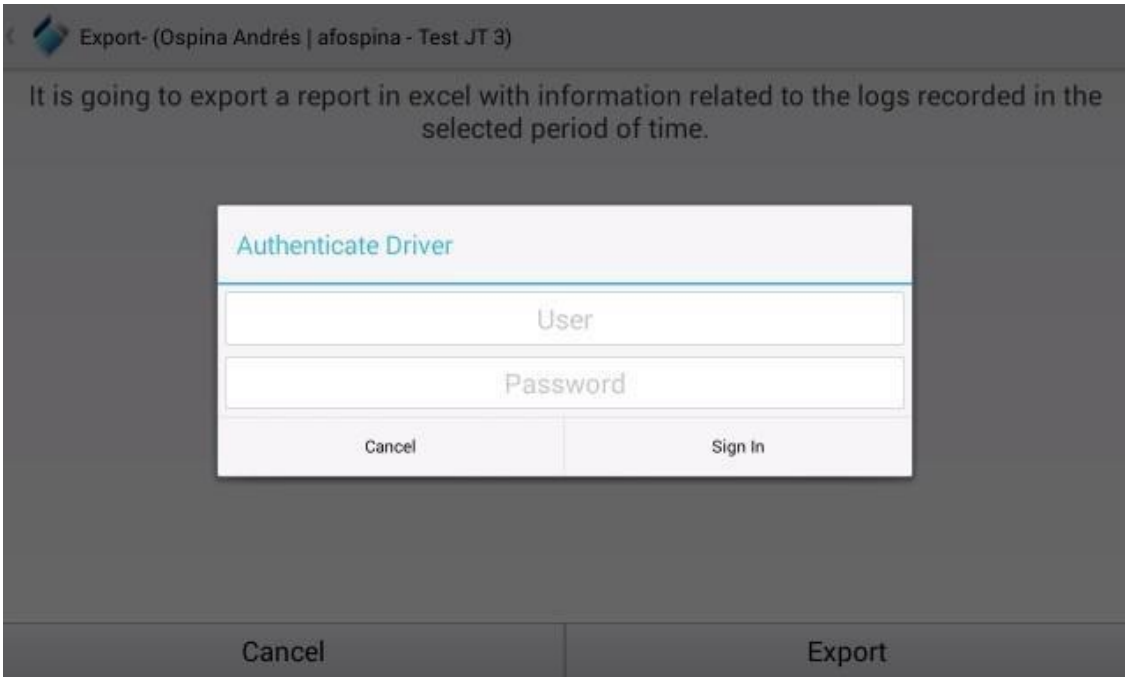


It will leave a new window which shows a range of date From and To, depending on the selected date range, the report will be exported, there are two methods of exporting, Bluetooth and USB.

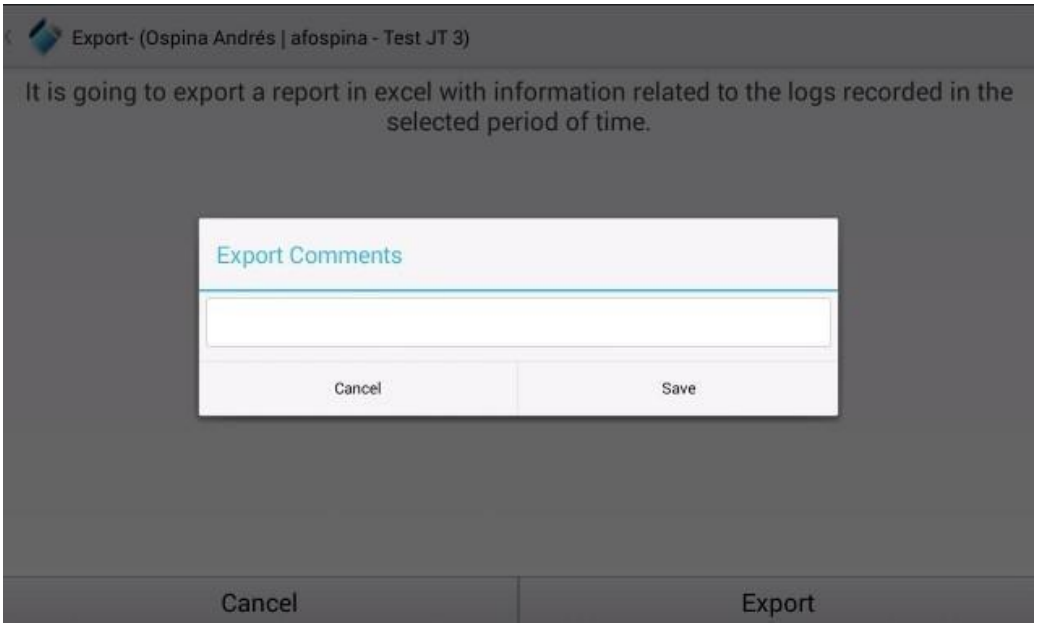


Bluetooth must press the Export button that is located at the bottom.

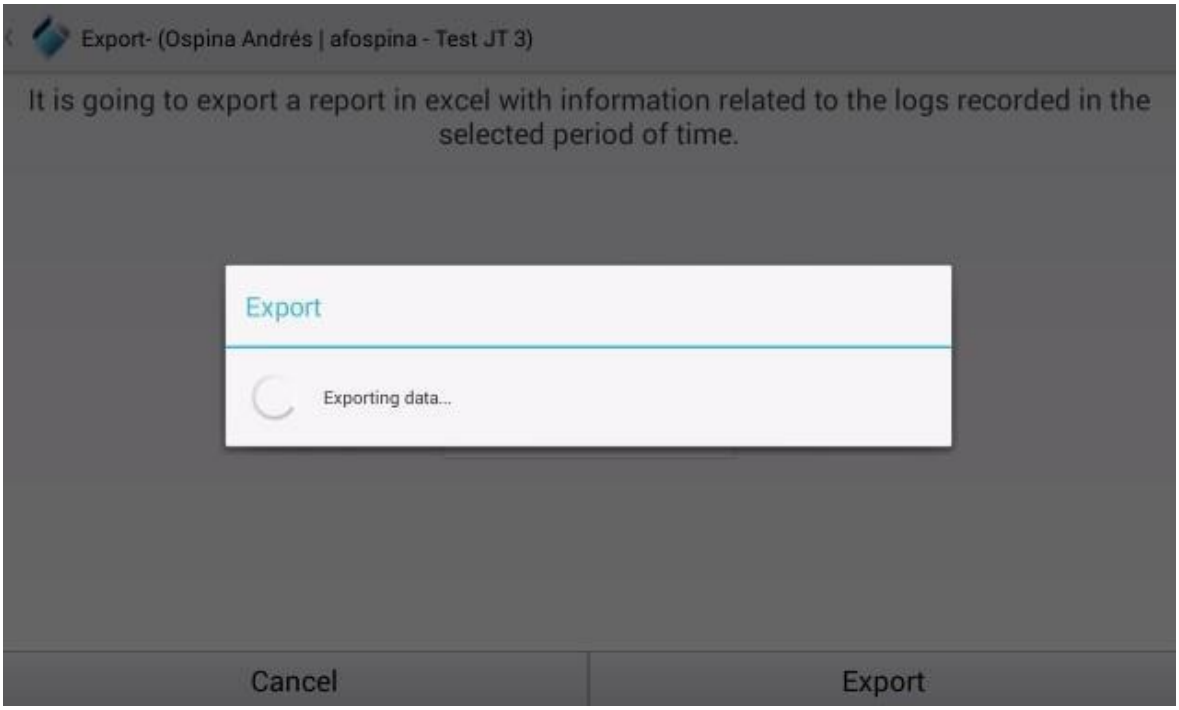
Then a box in which the Driver must authenticate by entering their credentials will appear.



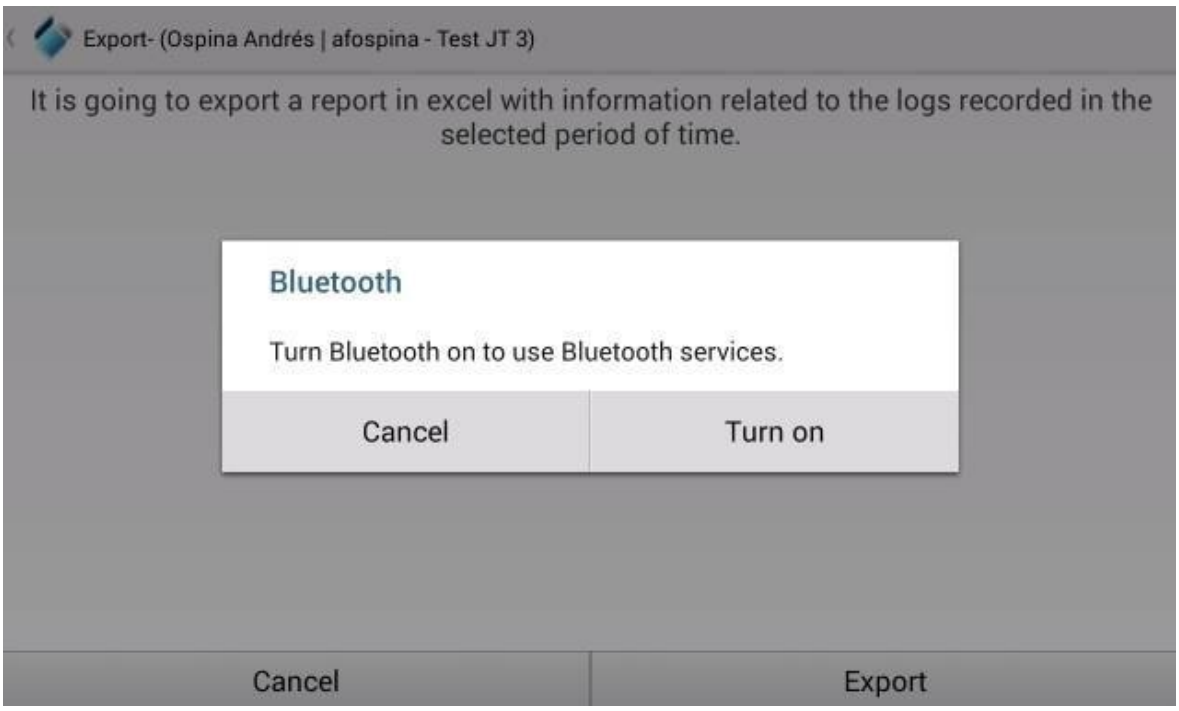
A box in which a comment can be placed if desired will appear.



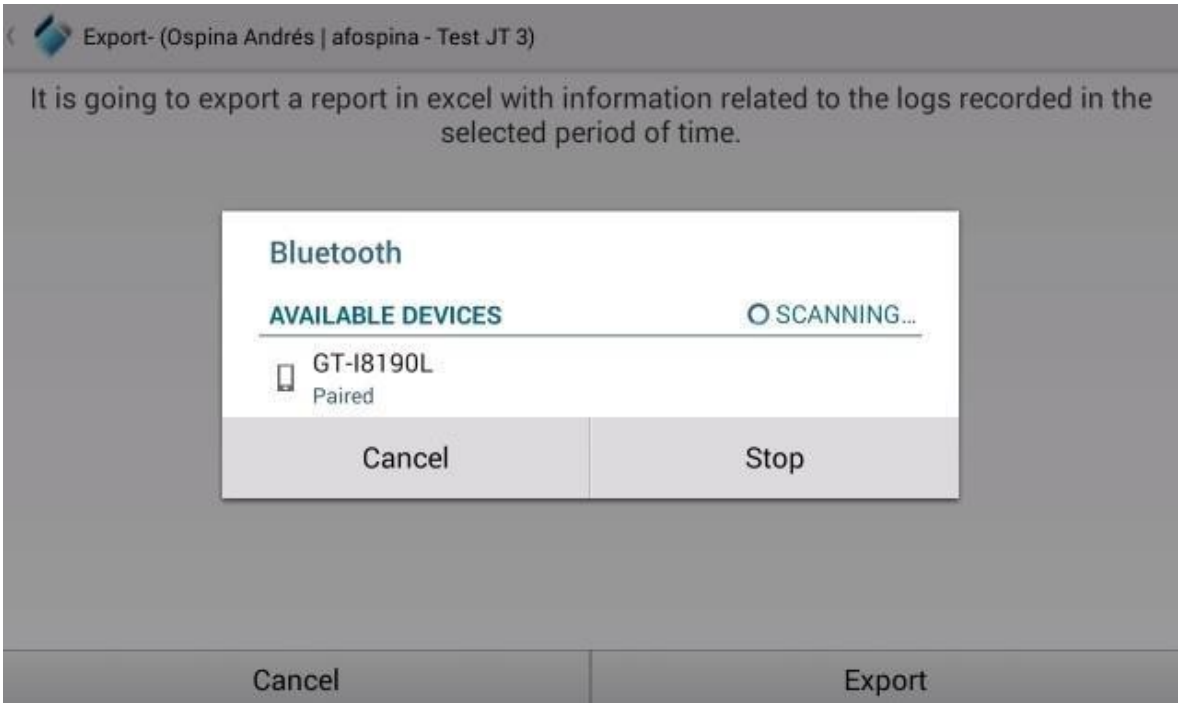
ELD will start processing the information to export.



In the method of export via Bluetooth, ELD will ask to turn on the Bluetooth device.



Once on the ELD start searching for devices with nearby Bluetooth, you must select the device where you want to export the information.



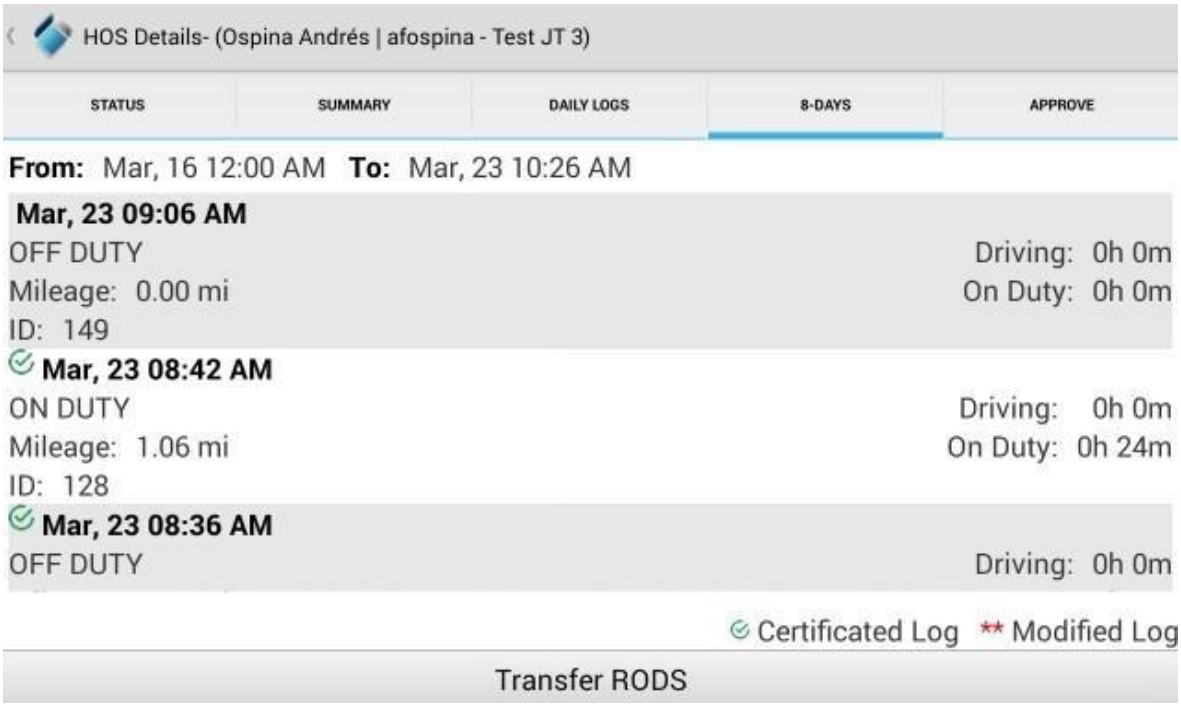
it will automatically start the export to a file in CSV, the output file will look like this : (Press the link)

http://aws.tsomobile.com/Drivers/DOT/DOT_HOS_Exported.csv

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
1	ELD File H	eader Segment:																	
2	Maldonad	Darlene	dmaldona	FL	4.57E+14	35													
3																			
4	A604	-		7A															
5	11223344	GEOSOFT	7	202832	5	17													
6	1256	0	2B																
7	52316	115343	25.81	-80.32	16473	850149	3D												
8	0	TSO100	19336115-	test	6D														
9	User List:																		
10	1	D	Maldonad	Darlene	3E														
11	2	D	Unidentifi	Driver	64														
12	3	D	Molina	Wonder	21														
13	4	D	Nieves	Bayron	11														
14	5	D	Perez	Juan	14														
15	6	D	Del Puebl	Juan	0														
16	7	D	Unidentifi	Driver	34														
17	CMV List:																		
18	1	A604	-	A															
19	2	01XH	-	7F															
20	3	I866	-	48															
21	4	8128	1.23E+08	F															
22	ELD Event List:																		
23	e3	1	2	1	4	52316	115343	16473	850149	25.81	-80.3	6	1	1	1	1	16	20	
24	de	1	2	1	1	52316	115343	16473	850149	25.81	-80.3	6	1	1	1	1	16	5	
25	dd	1	2	1	4	52316	115343	16473	850149	25.81	-80.3	6	1	1	1	1	16	25	
26	d6	1	2	1	2	51816	115343	16473	850149	25.81	-80.3	6	1	1	1	1	39	37	
27	d1	1	2	1	1	51816	115343	1646	850149	25.81	-80.3	6	1	1	1	1	39	10	
28	cf	1	2	1	4	51816	115343	1646	850149	25.81	-80.3	6	1	1	1	1	39	4	

3.4.1.1 8-DAYS

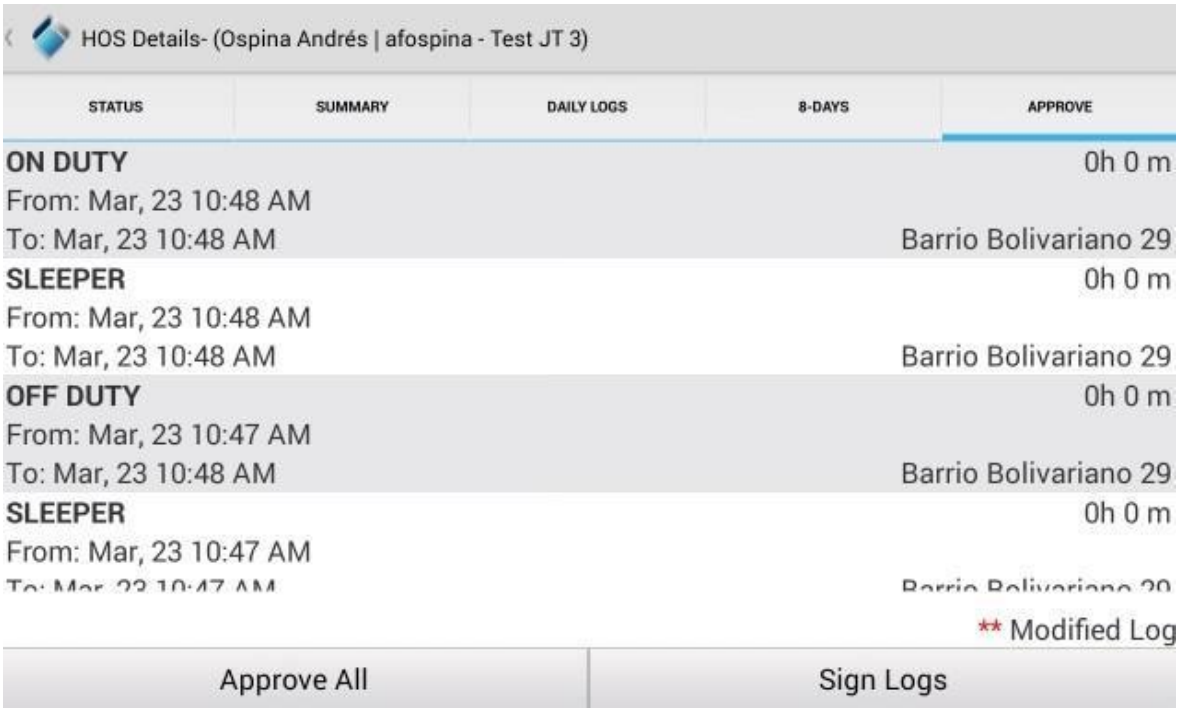
It contains records of status changes of the past eight consecutive days.



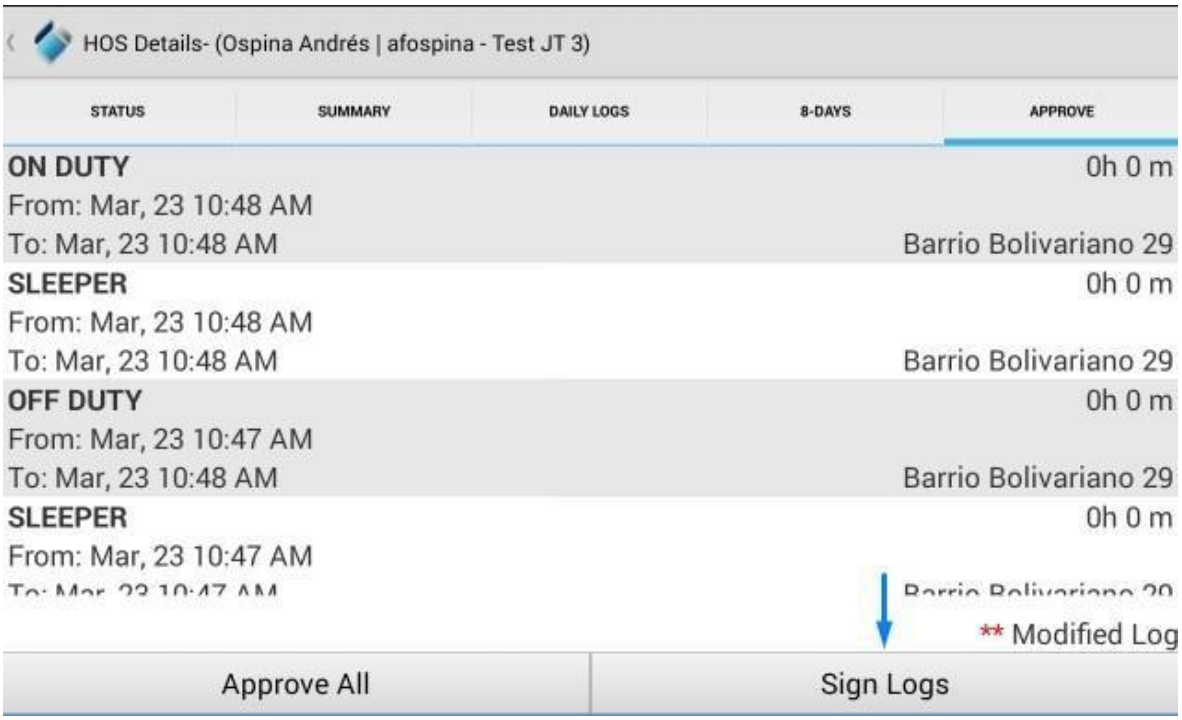
It contains a button at the bottom which allows to export the Driver, Transfer RODS, see Export records.

3.4.1.2 APPROVE

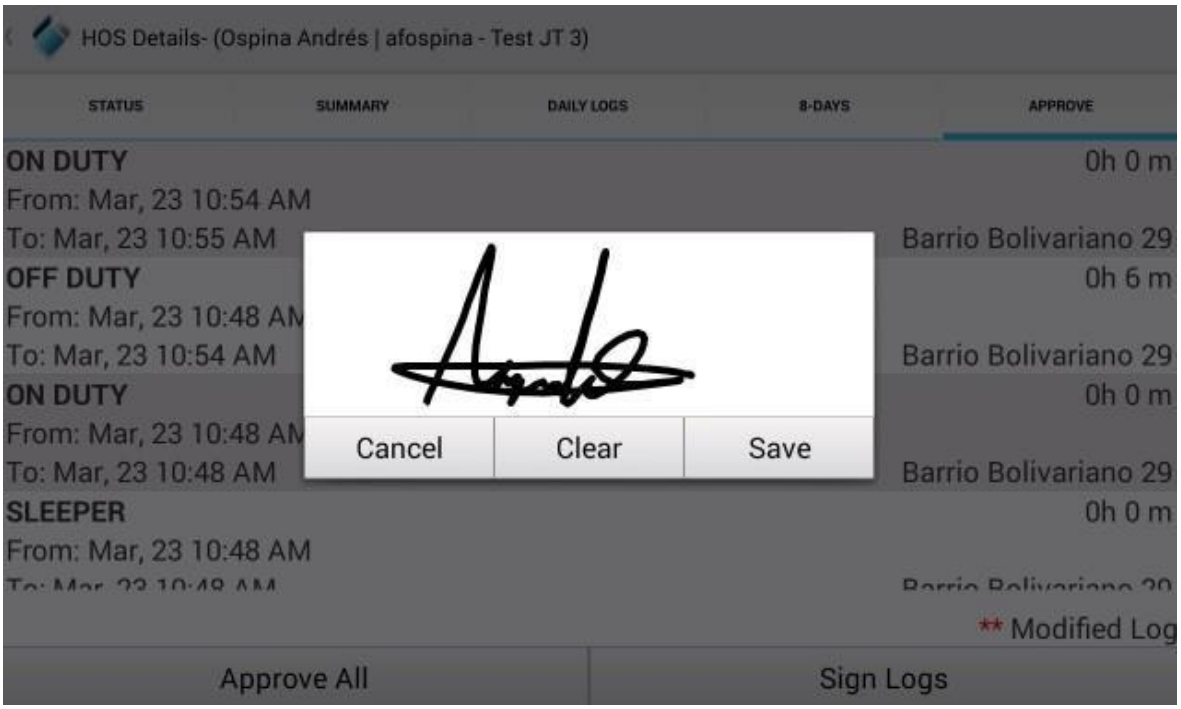
It contains all records of change of State which must be reviewed and approved by the driver.



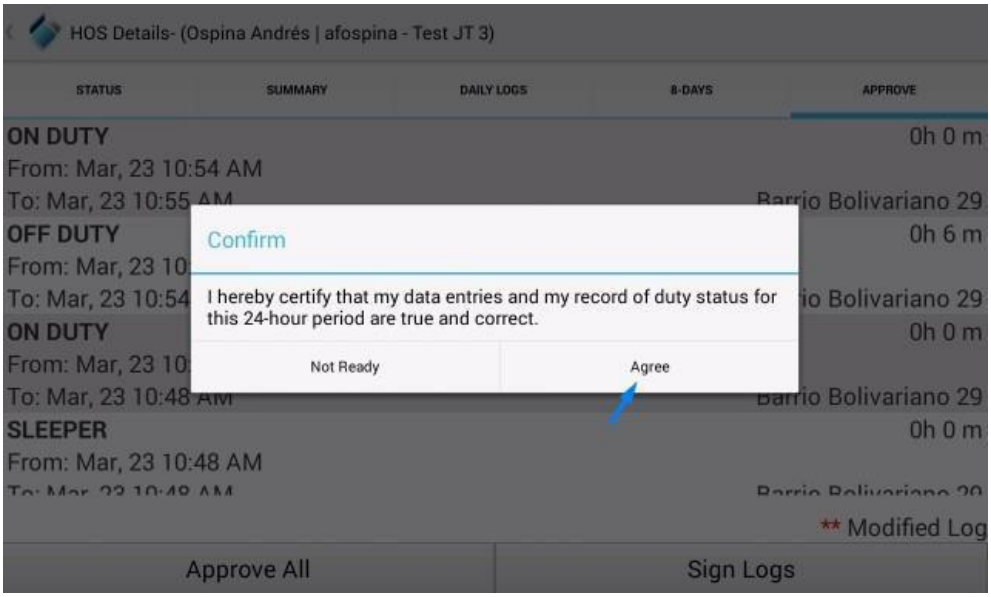
To approve pending records you should first sign in and then approve them.



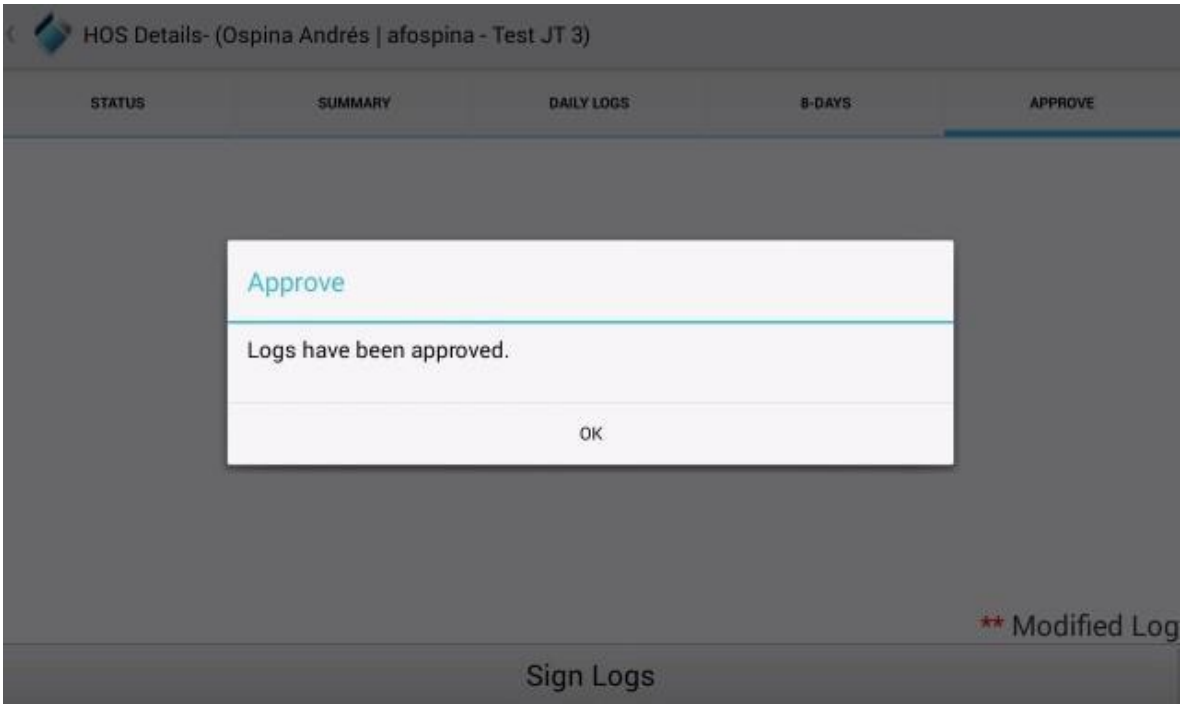
A box in which the driver must place his signature will appear.



Press the Save button, then the signature will be stored and you must only press the button Approve All, a box appears which certifies that the approved records are correct, are accepted and are already certified.

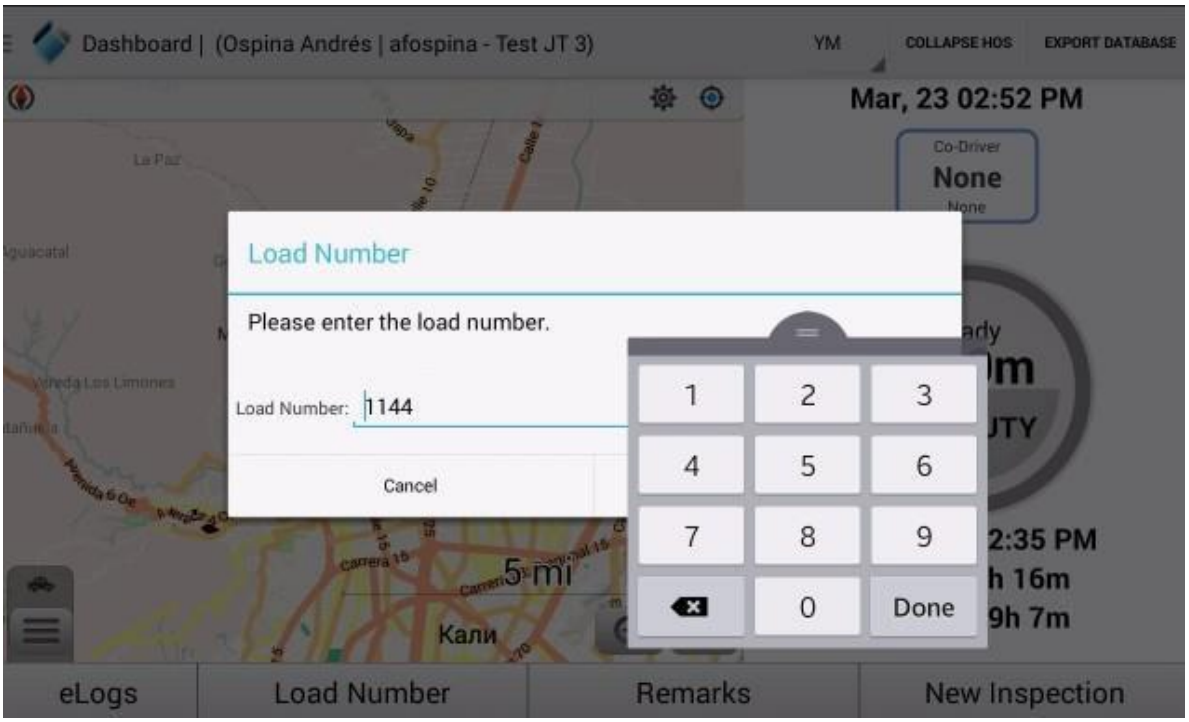


Once the pending records are approved, these will disappear from the Approve window.



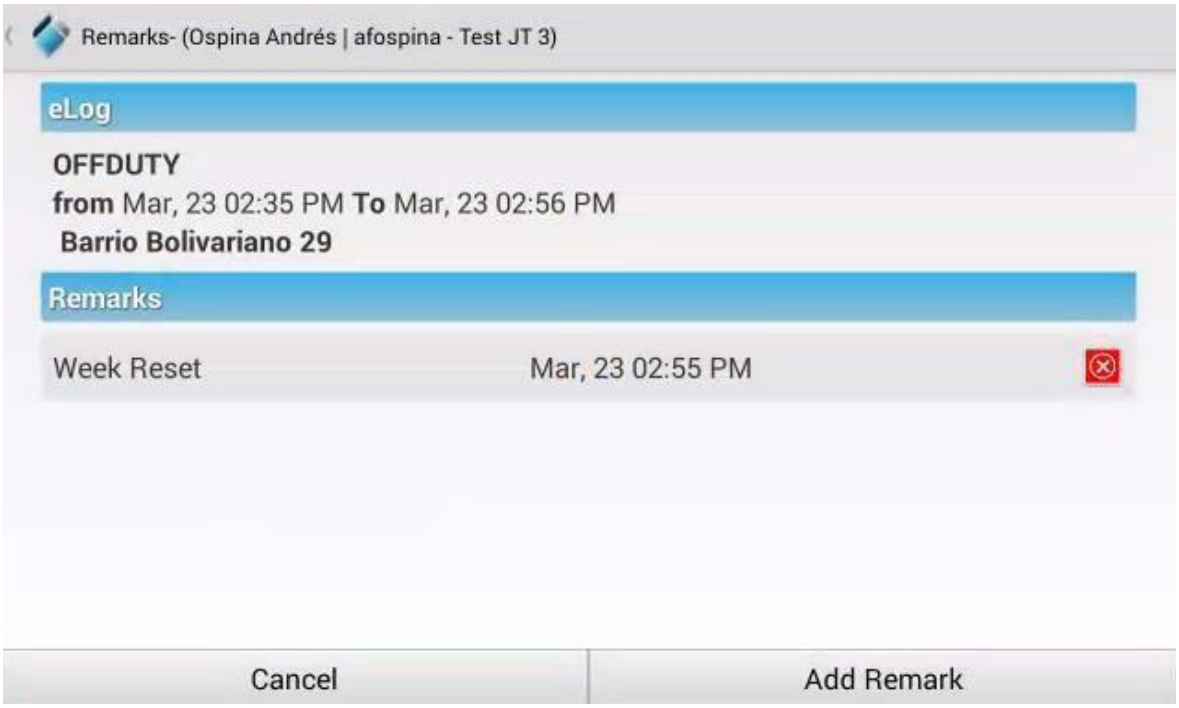
3.4.2 Load Number

Load Number allows you to assign and change the Shipping Number.

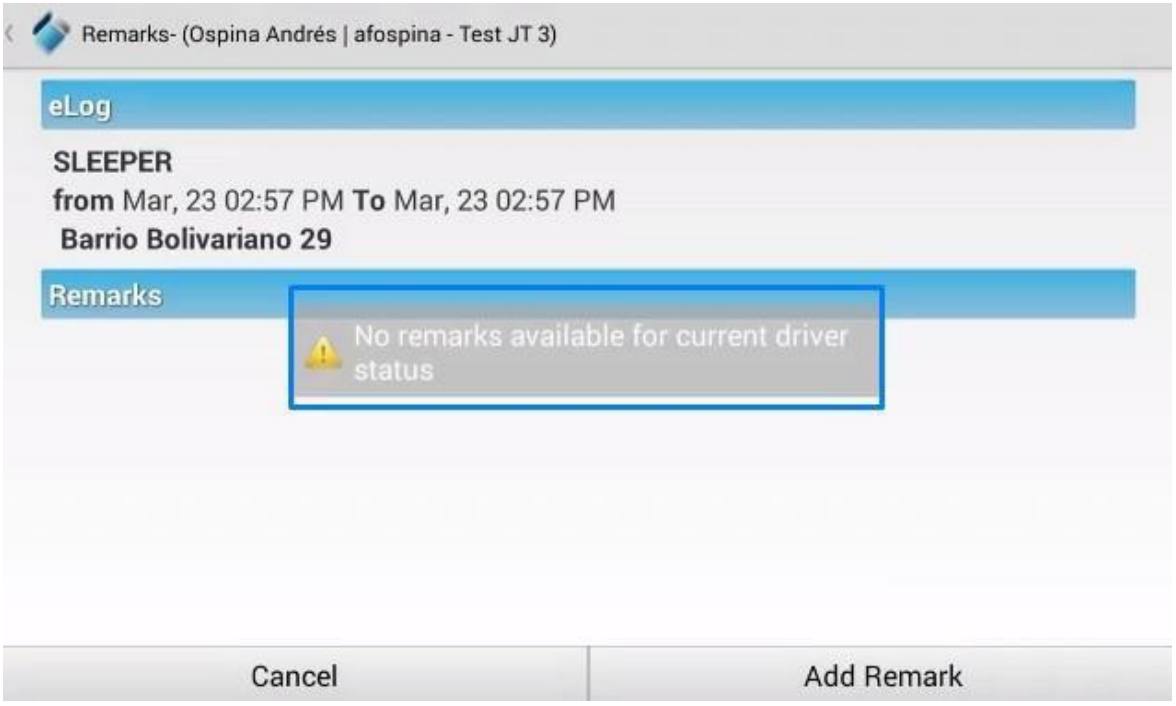


3.4.3 Remarks

Allows you to add a comment to the current state and see which already exist, you can only add comments in OFF DUTY and ON DUTY status.



When you attempt to add an observation to a State which is not **ON DUTY** or **OFF DUTY**, the following box will appear.



3.4.2 New Inspection

Already explained above, see Inspection.

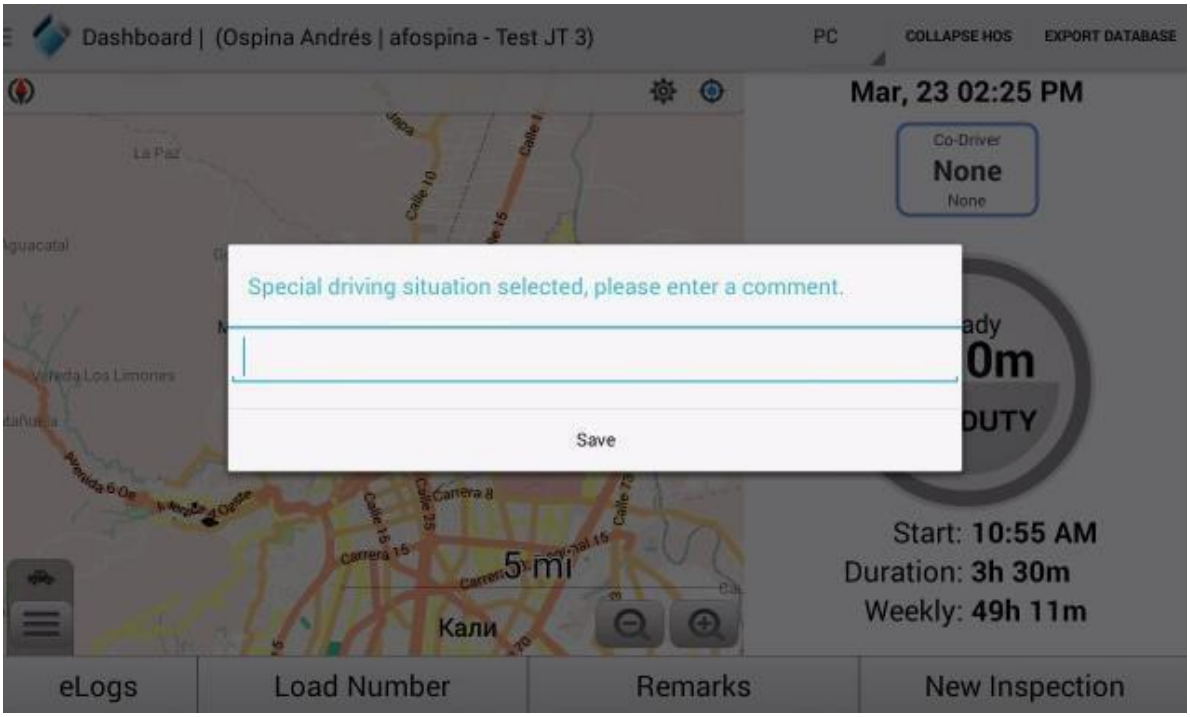
3.5 BOTTOMS ABOVE

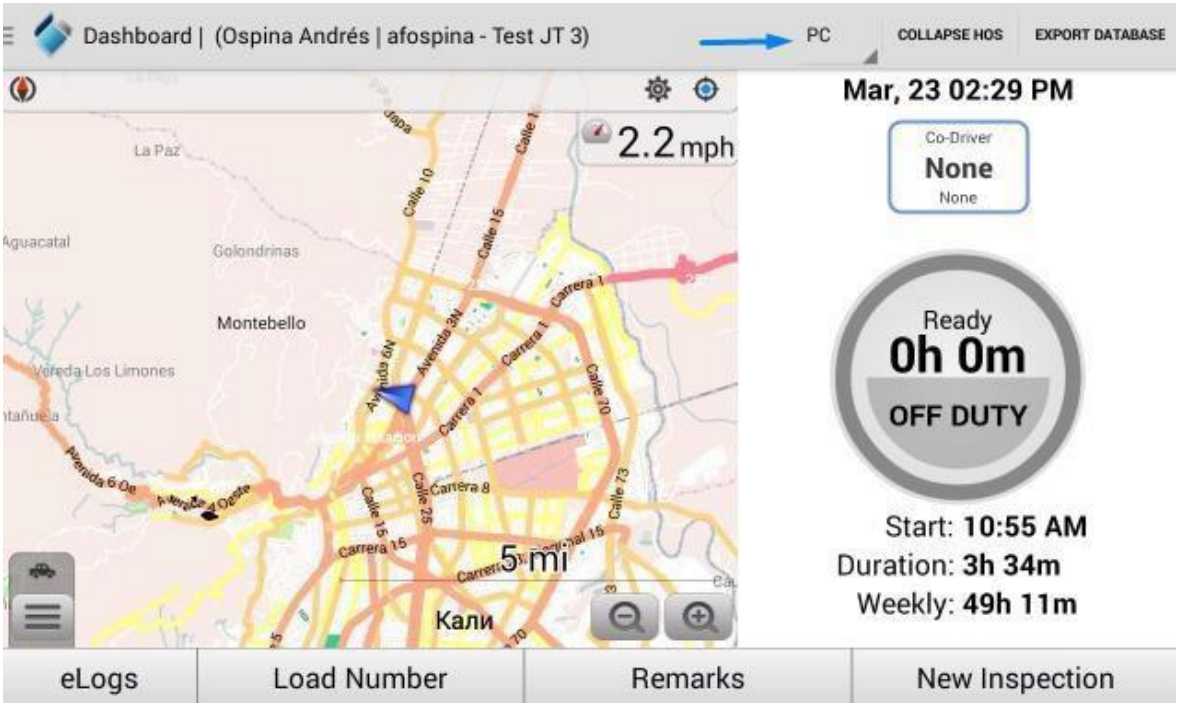
There are two buttons at the top of the Dashboard category Impacting Driving, Expand and Collapse HOS.

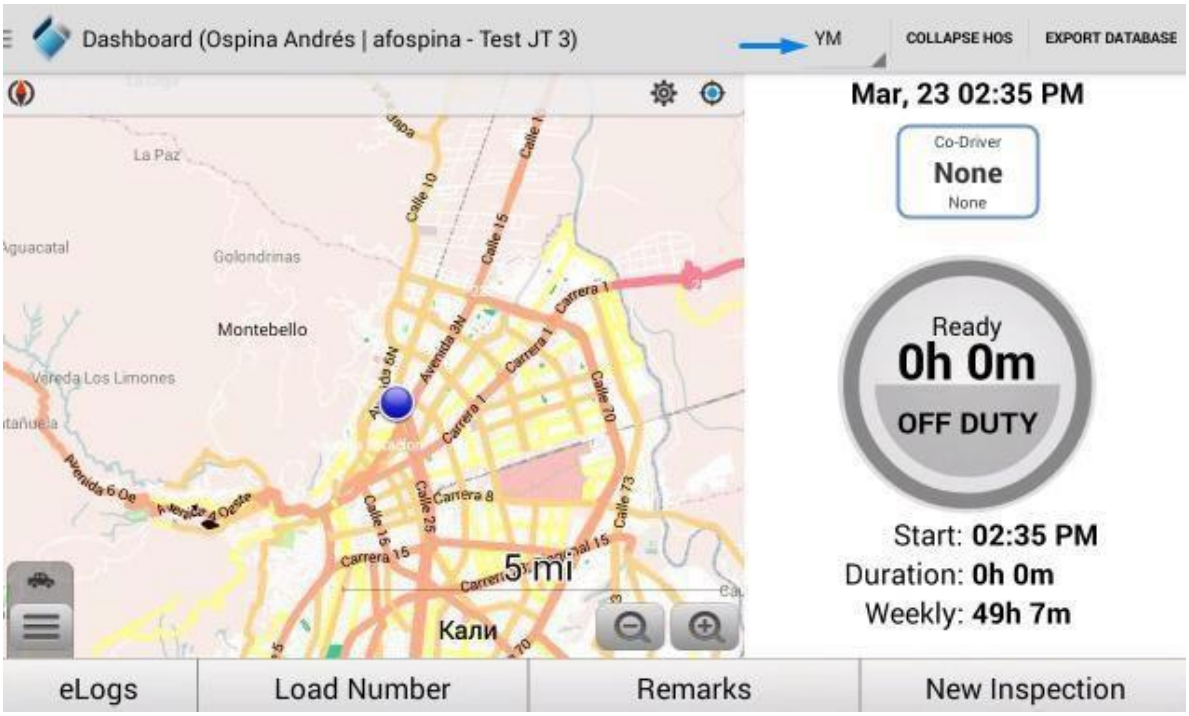
3.5.1 Impacting Driving

The category Impacting Driving can be enabled only for the ON DUTY, OFF DUTY, SLEEPER States this category at the time of the Driver log by default will be on None to give click where indicated in the image will display the available categories.

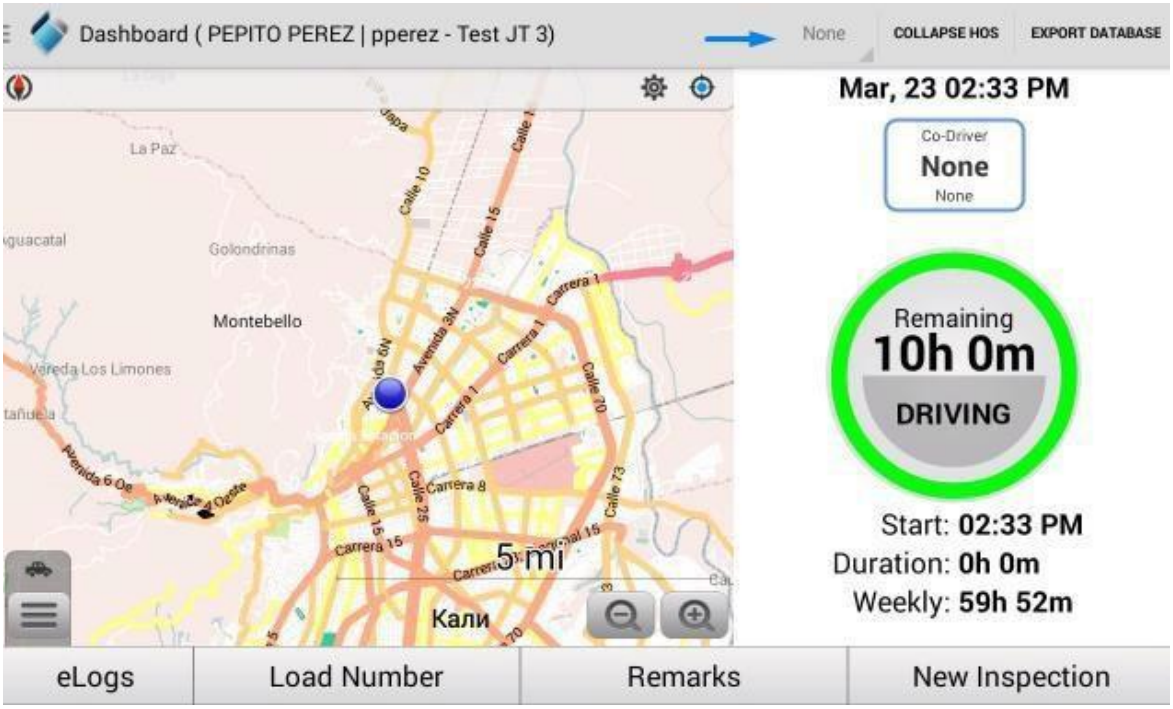
Once you select a category, a box will appear where you can comment why you are selecting said special driving category.







If the driver is DRIVING, the ELD will not allow you to choose any category and by default this will be None.

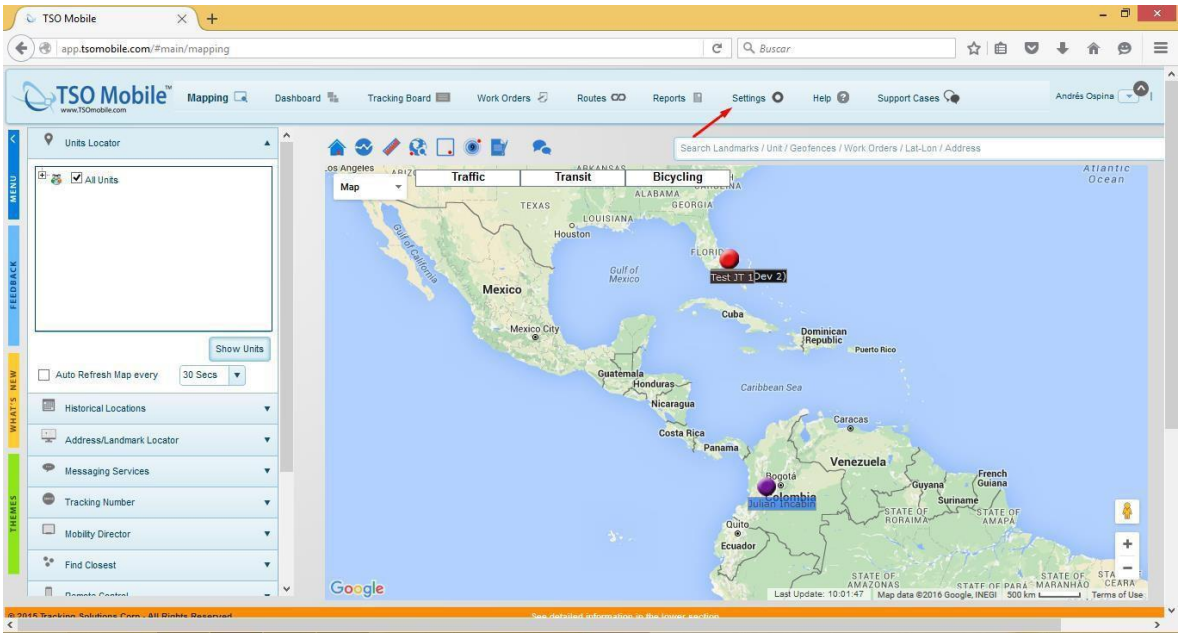


4 DRIVER EXEMPT

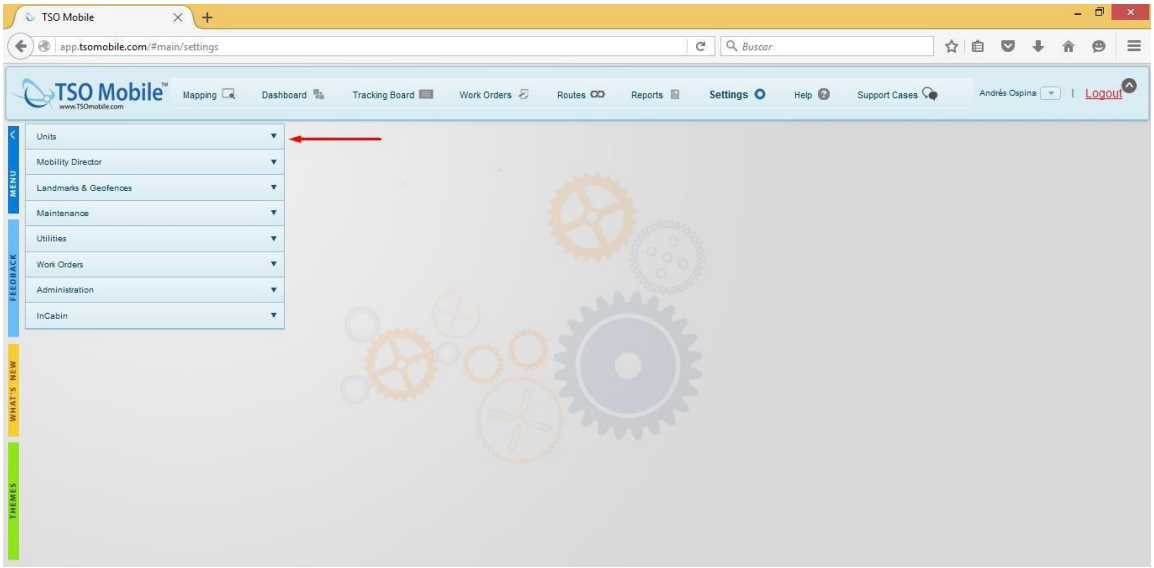
The Driver Exempt can only observe information on the ELD and cannot generate any logs, this Driver is exempt from recording records in the ELD.

Below is an instructional on how to create a “Driver Exempt”:

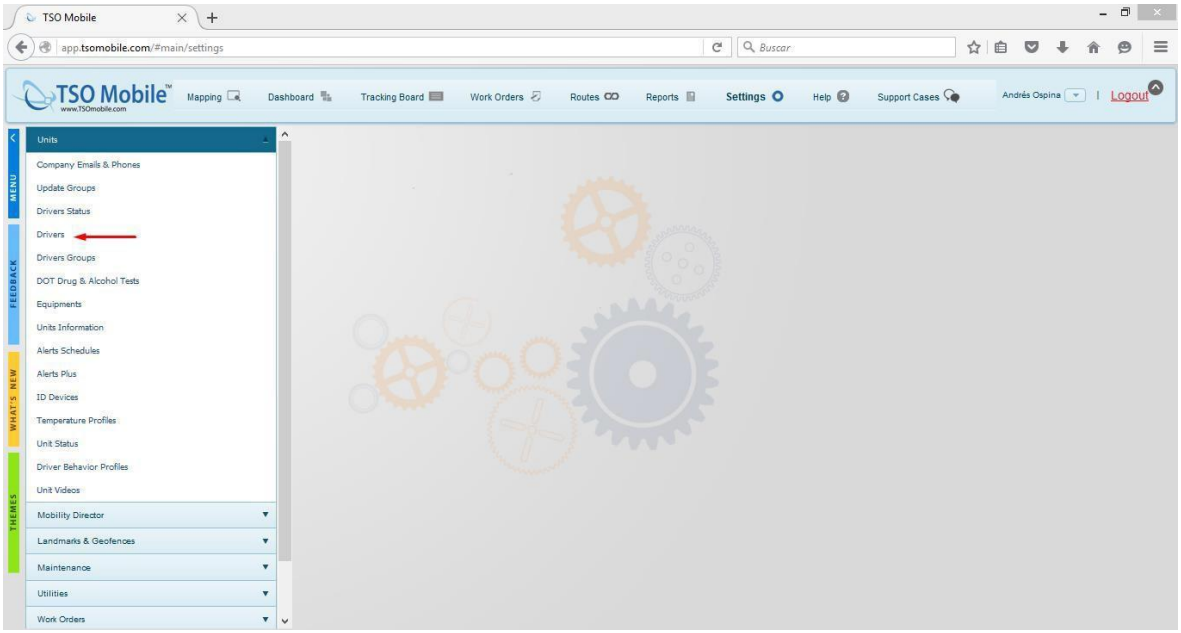
You must login to the web application with your user credentials, following, select the settings option.



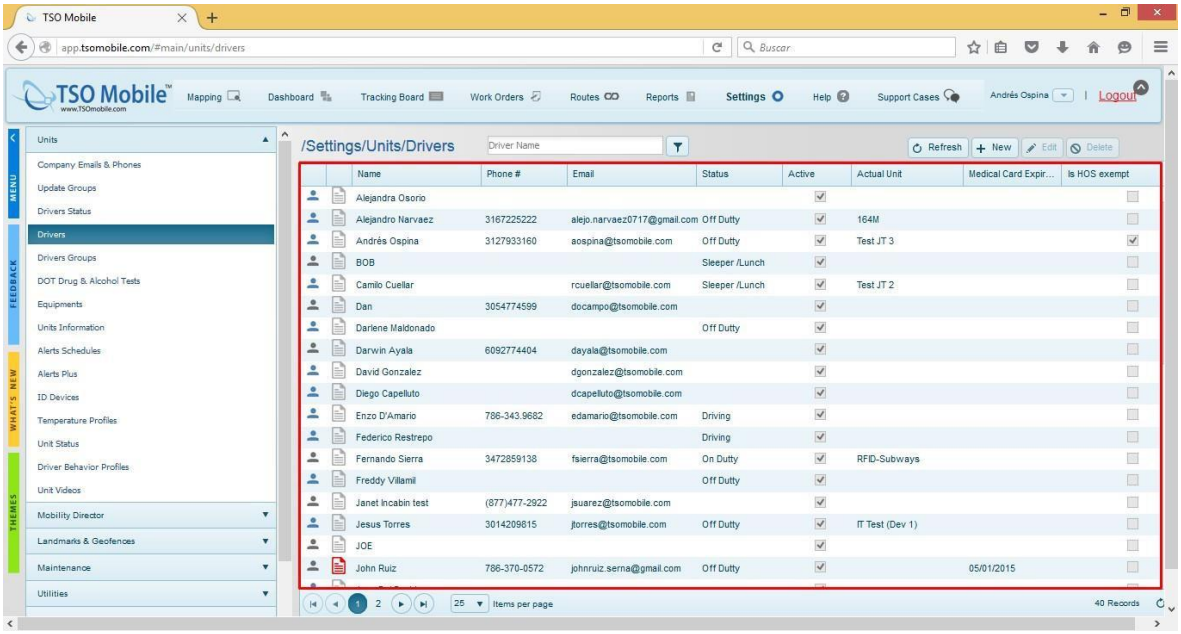
In the left pane that appears select Units.



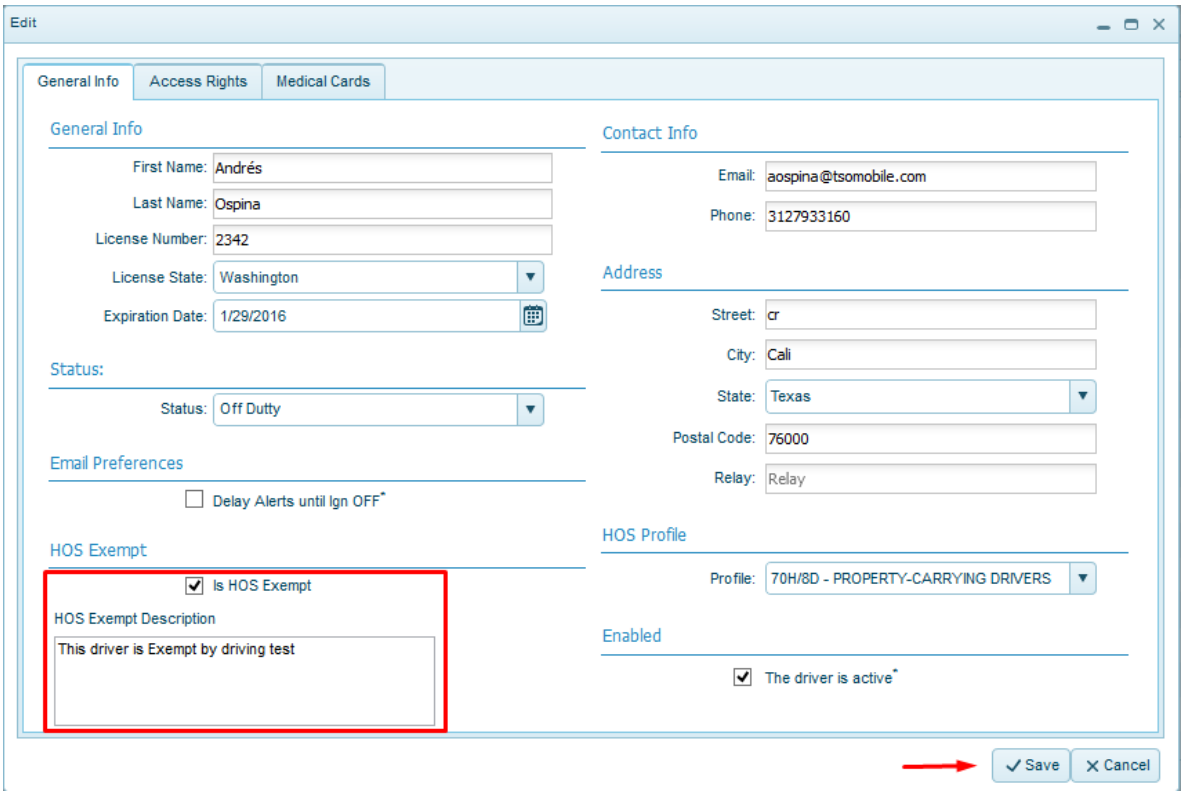
It will display a list where the Drivers option must be selected.



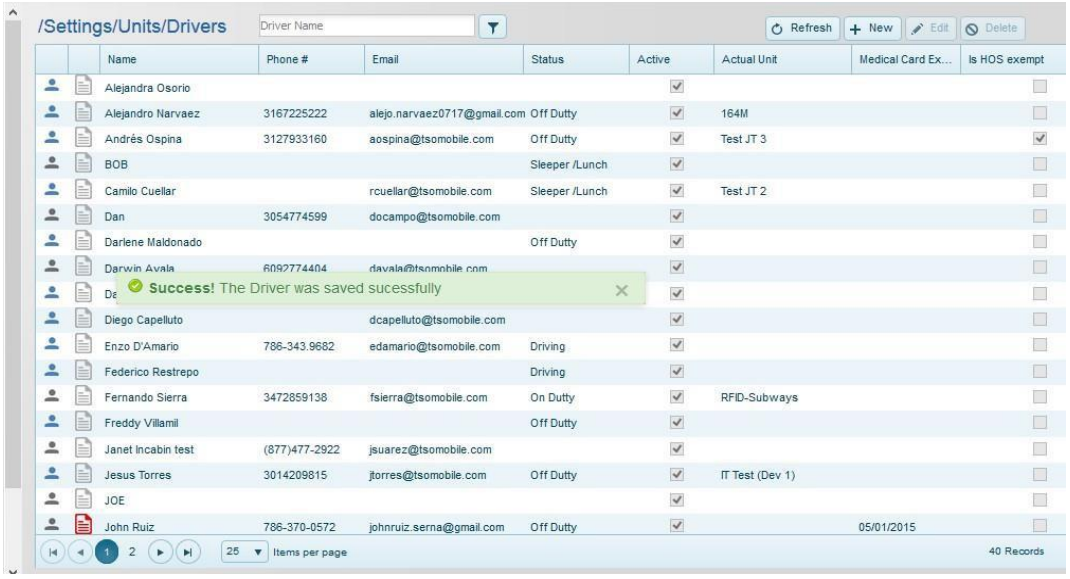
Now you must select the previously created Driver which you wish to enable it as Driver Exempt.



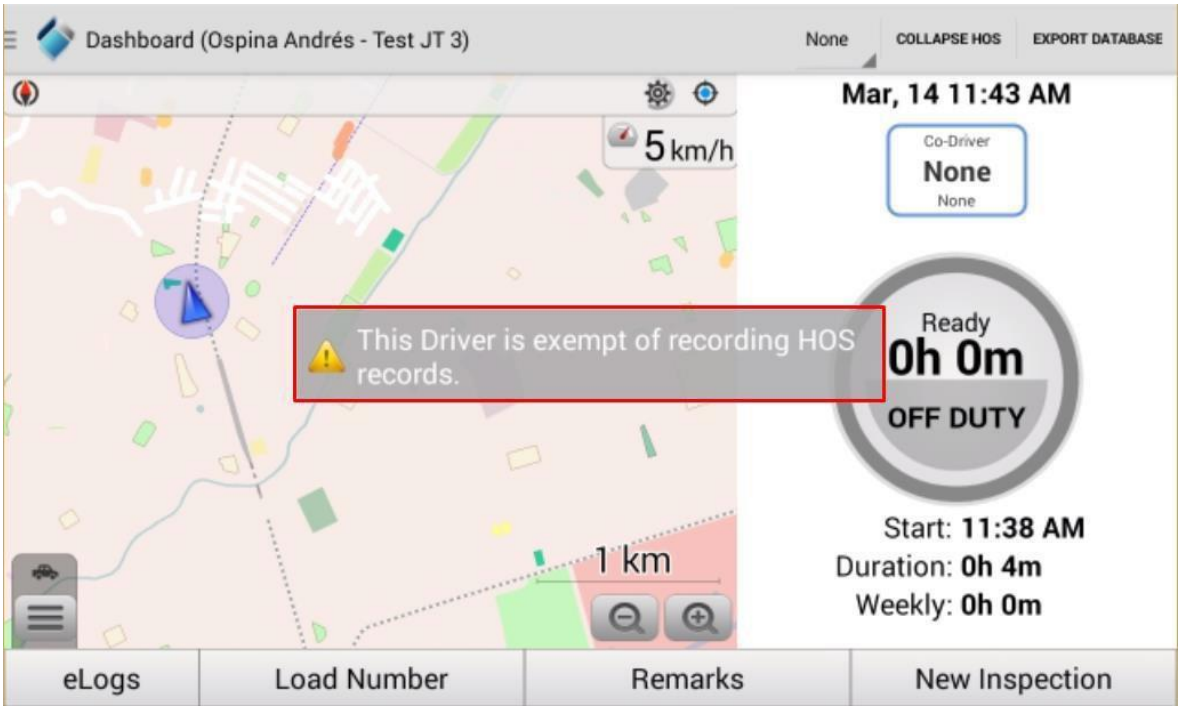
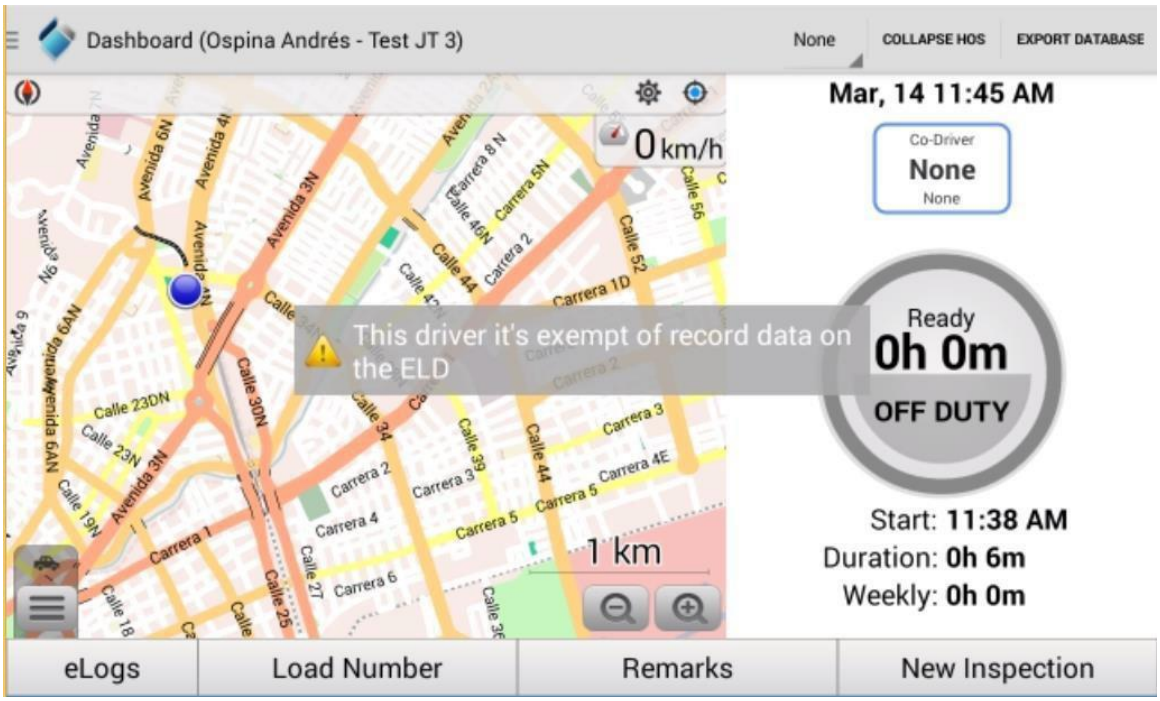
Once selected, a window appears with the Driver information, the bottom box should be marked "HOS is Exempt" and in the box below place a brief description of why the Driver is Exempt, finally press the “Save” button.



A message that indicates that the Driver has been successfully saved.



Login with Driver Exempt in the ELD and at the end an alert will appear, which indicates that the Driver is exempt from recording records in ELD.



Also if you try to change the Driver Exempt status or perform an action that affects the registries directly, the following alert is displayed.