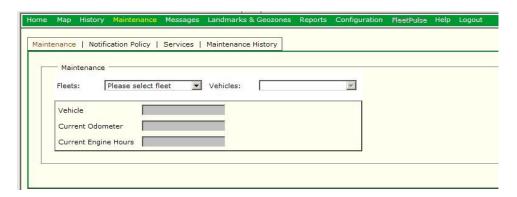
Vehicle Maintenance

The Maintenance screen under SentinelFM gives the user the option to retrieve the maintenance history for a vehicle, create and assign services based on odometer or engine hours, email notifications based on user preferences.

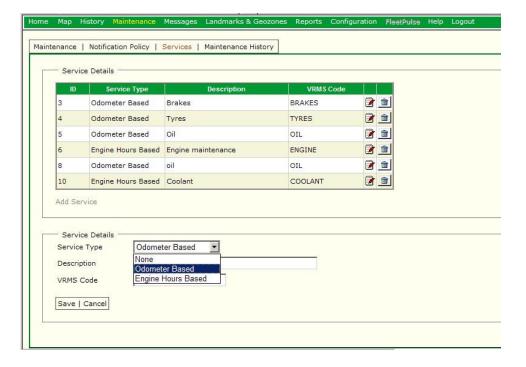
The Maintenance screen contains 4 tabs:



To use maintenance, notification policies and services have to be defined and assigned for the vehicles.

1. Services

This page allows the user to create different type of services based on odometer or engine hours.



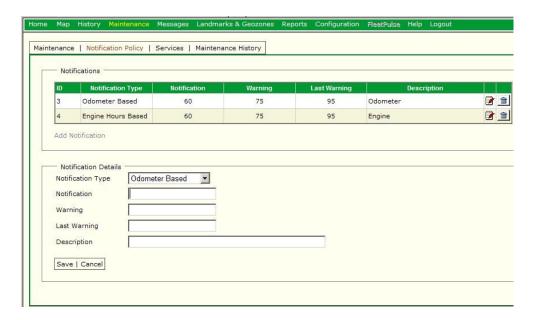
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2. Notifications

Email notifications can be set up based on user preferences. The user has the option to set values and emails will be triggered to the user(s) based on these values.

The values are represented in percentage.

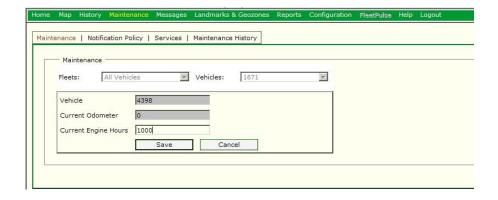
For instance, in the below screenshot for odometer based; the notification, warning and last warning are set at 60%, 75% and 95% respectively. The values are not fixed and can be modified.



3. Maintenance

After defining services and notifications, the user can create maintenance plans for vehicles.

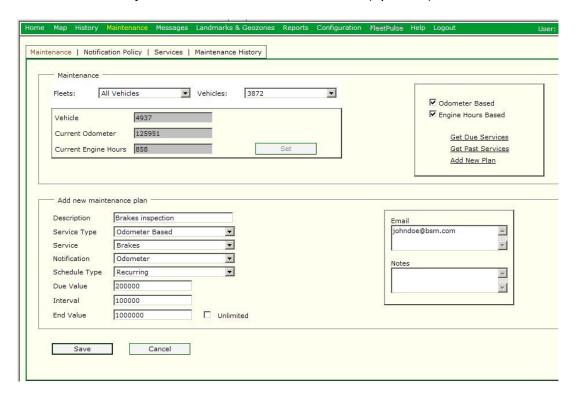
Select vehicle you want to use maintenance plans for. If odometer and engine hours values are put to zeroes — you have to initialize current vehicle to be able to use it. Click 'Set' button and change current vehicle engine hours value. (*Note: you can change vehicle odometer value by sending 'Set Odometer' command to the AVL*).



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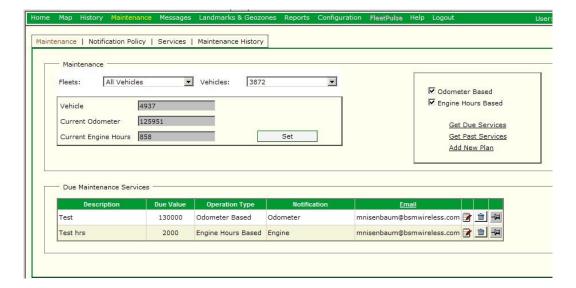
Add new maintenance plan

- Type in a plan description (required)
- Select service type (required)
- Select defined service (required)
- Select defined notification (required)
- Select schedule type (required) for once specify due value, for recurring specify due value, interval and end service value (optional).
- Type comma separated e-mail addresses to get notifications (required)
- Notes: any useful information to be added (optional)



Once set, you can browse for odometer based, engine hours based or both maintenance plan types, edit, delete and add new plans.

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If a Maintenance plan is created with the schedule type as *once*, after the current odometer or engine hours passes the 'Due Value' the appropriate maintenance plan(s) will be moved into Past Services which can be viewed by clicking on 'Get Past Services'. Since the schedule type is *once*, if the user chooses to closes this service, this service will be updated in the Maintenance History Screen.

If a Maintenance plan is created with the schedule type as *recurring*, after the current odometer or engine hours passes the 'Due Value' the appropriate maintenance plan(s) will be moved into Past Services which can be viewed by clicking on 'Get Past Services'.

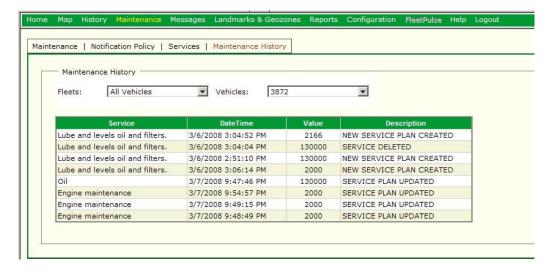
Since the schedule type is recurring, after the user closes this service then based on the set Interval the next due value will be calculated and the service will appear under Due Services which can be viewed by clicking on 'Get Due Services'.

If the schedule type is *recurring* it is critical that the user closes the service once it passes the current due value for the next due value to be calculated.

4. Maintenance History

As the name indicates, this section allows the user to track the service history for a particular vehicle. This will indicate to the user when (date / time and odometer or engine hours) and what type of service was performed on the vehicle

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Any additions or change in the maintenance screen are displayed in the History section as well.

New Service Plan Created – A new service was created.

Service Plan Updated - An existing service was modified.

Service Closed / Deleted – The service was completed for the vehicle and hence closed.

Service Deleted – The service is no longer required.

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