Deadheads Limitation

Work-flow to Use Deadheads Limitation

» Use **Load Template** to set up the preference for several conditions

» Repeat **Load Template** for additional instances of any template

Preference Overview

This a set of complimentary preference that set distance limits for exit depot and return to depot trips.

For logistic reasons such as vehicle maintenance or driver affinity it might be preferable to station vehicles in fixed "home" depots.

Depot exit deadheads (including Pull out):

This preference limits the deadhead distance a vehicle may travel to perform a service trip. It serves to keep vehicles in the general vicinity of their "home" depots.

Return to depot trips (including Pull in):

At the end of a work day, the vehicle will return to its "home" depot if the distance to travel it is less than a specified maximum. Otherwise, the vehicle will be parked in nearest depot.

> **Note**
>
> The "nearest" depot may still be the "home" depot.

Templates Available from Optibus

Table 1-1: Templates Summary

Template Name	Purpose	Reference
Reduce depot checks	Sets a maximum distance limit for return to depot trips.	**Reduce depot checks**
Minimize Vehicle Cruise Restriction	Set as a constraint, the maximum distance for an exit depot deadhead.	**Minimize Vehicle Cruise Restriction**
Minimize Vehicle Cruise Preference	Set the maximum distance for an exit depot deadhead with a penalty.	**Minimize Vehicle Cruise Preference**
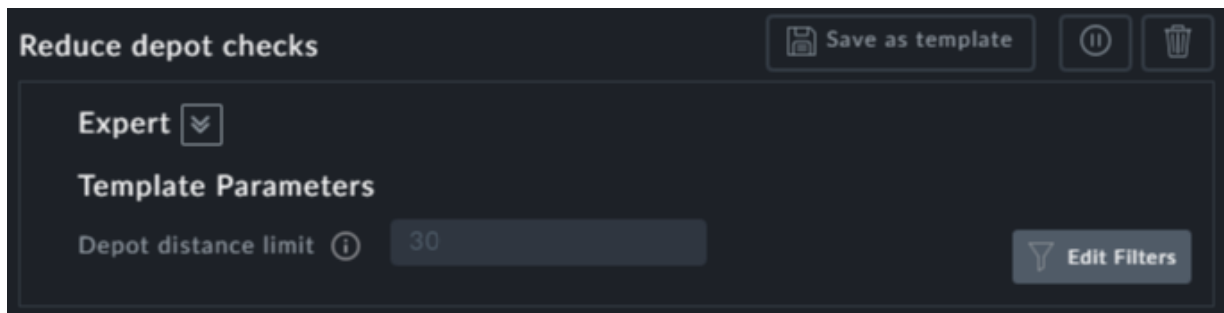
Reduce depot checks

Purpose:

Sets a maximum distance limit for return to depot trips.

Prerequisites: None.

Opening Dialog:

Points to note:

» **Depot distance limit**: This field is a constraint, since under normal conditions, the driver has no discretion in the matter
» If you set it to zero, vehicles will always return to their "home" depot
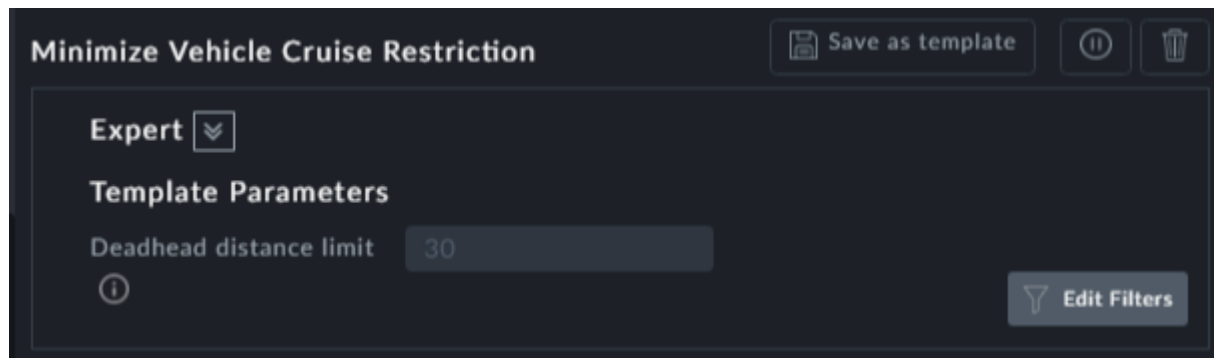» The unit of distance (Km, miles) depends on your location

Minimize Vehicle Cruise Restriction

Purpose:

Set as a constraint, the maximum distance for an exit depot deadhead.

Prerequisites: None.

Opening Dialog:

Points to note:

» **Deadhead distance limit**: This field is a constraint

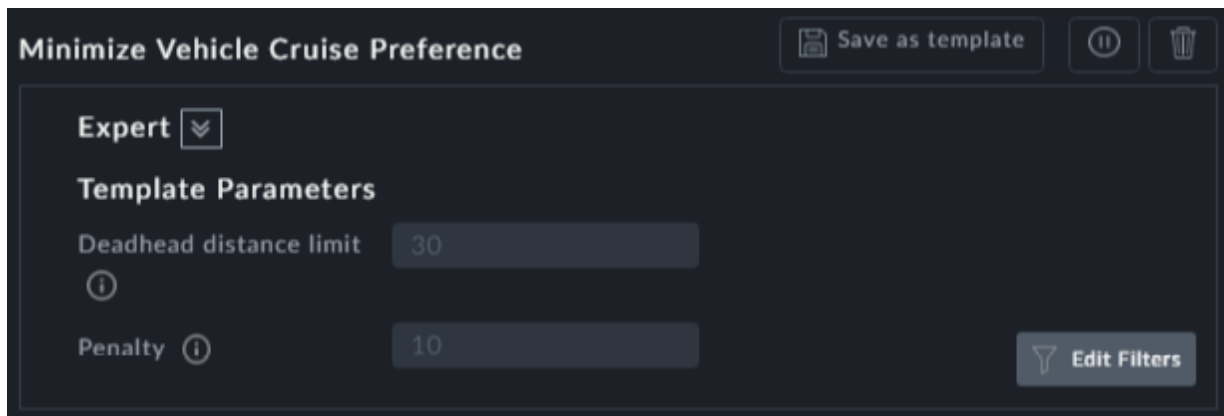» The unit of distance (Km, miles) depends on your location

Minimize Vehicle Cruise Preference

Purpose:

Set the maximum distance for an exit depot deadhead with a penalty.

Prerequisites: None.

Opening Dialog:

Points to note:

» This preference is a flexible version of **Minimize Vehicle Cruise Restriction**

» **Deadhead distance limit**: This field is flexible.

» The unit of distance (Km, miles) depends on your location