



Version 1.17: Initialize cumulative reading values and set due values

Two very common maintenance tasks are recording cumulative reading values for key components, such as engines, and performing maintenance routines that are scheduled based on reaching specific cumulative reading values for these key components. In Helm CONNECT, you can use maintenance templates to manage both of these important tasks. Building your templates and getting them ready for your crew to use is a multi-step process:

1. Add components to Helm CONNECT.
2. Build and publish checklists used to record cumulative readings, such as running hours or fuel used, for key components.
3. Build and publish checklists for maintenance routines scheduled based on cumulative readings for those same key components.
4. Record the initial cumulative reading values in the checklist used to record readings for key components in your Onboard > Logs > To Do List. See *Initialize component cumulative reading values* below.
5. Adjust the due values in any templates for maintenance checklists that are scheduled based on cumulative readings for the tracked components so they are due in the correct number of units. See *Set due values* below.

This article focuses on steps 4 and 5 and assumes that you've already added components to the system (step 1) and built and published your checklists (steps 2 and 3).

Initialize component cumulative reading values

When you first create a component, Helm CONNECT assumes its cumulative reading values start at zero. Since this value is unlikely to be zero, you must enter the correct value the first time you complete the checklist used to record readings for that component.

To initialize cumulative reading values

1. Go to your **Onboard > Logs > To Do** list and complete the checklist used to record readings for the required component(s) for the first time.



Example

In this example, let's say you enter running hours of 1200 and a fuel used value of 14000 for the starboard main engine component.



Important note As a best practice, when you do this, make sure you enter the component's current cumulative reading values into the **Total** fields and NOT the Add fields.

Support Article: Version 1.17: Initialize cumulative reading values and set due values

The screenshot shows the Helm CONNECT interface for recording readings. The top navigation bar includes 'Engine Log', 'Mate's Desk', 'Wheelhouse', and 'History'. The main header shows the asset name '*Plissken' and buttons for 'Log a new event' and 'Log a new task'. Below this, the checklist title is 'Plissken - Record Readings (Daily)' with an 'External Number: M25649'. There are buttons for 'Discard', 'Omit', and 'Finish Now'. The checklist details include 'Frequency (date): Daily', 'Due (date): 09/09/2019 08:00', 'Component: Stbd Main Engine (Engine)', and 'Assignee: Select a name'. Below this, there are fields for 'Inspected By', 'Inspected', 'Asset', and 'Tags'. The checklist items are: 1. Record the following readings daily. 1.1 Starboard engine running hours. 1.2 Starboard engine fuel used. Each item has a 'Current' field, an 'Add' button, and a 'Total' field. The 'Total' fields are highlighted with a yellow box, and a callout bubble points to them with the text: 'When entering cumulative reading values for the first time, use the Total fields.'

2. Click **Finish Now** to complete the checklist. This will add the current cumulative reading values into Helm CONNECT.

Set due values

After you set the initial cumulative reading values for a component, you need to adjust the due values in the templates for the related maintenance checklists that are scheduled based on cumulative readings.



Example Let's say there is a Starboard Main Engine Maintenance checklist. As soon as you finish the checklist used to *record* readings for the starboard main engine, you will see in your Onboard > Logs > To Do list that the Starboard Main Engine Maintenance checklist appears to be overdue. In this example, this is because you recorded 1200 for the running hours and Helm CONNECT thinks the checklist is overdue by 700 hours, when it should actually be due in 300 hours, at the 1500 hour interval.

To set due values correctly

1. Go to the **Setup > Templates > Maintenance** tab and click the maintenance template scheduled by cumulative readings for the component you just recorded the running hours for, in this case, the Starboard Main Engine Maintenance template.



Note Do **not** click Edit on the template.

2. In the template header, click in each **Due** field, then, in the **Set due** window, type the *actual* number of units for that cumulative reading type until the maintenance checklist is due.



Example In this example, since you entered 1200 as the current running hours and 14000 gallons for fuel used in the checklist used to record readings, you would enter 300 in the **Due (Running Hours)** field and 1000 in the **Due (Fuel Used)** field to make sure the maintenance checklist is due at the correct interval for each cumulative reading type.

3. Click **Set due**.

The screenshot shows the 'Starboard Main Engine Maintenance (Cumulative Readings)' template interface. The 'Due (Running Hours)' field is set to 500 hr, and the 'Due (Fuel Used)' field is set to 14000 gal. Two 'Set due' dialog boxes are open, one for 'Due (Running Hours)' with the value 300 entered, and one for 'Due (Fuel Used)' with the value 1000 entered. A green callout box points to both dialog boxes with the text: 'In the Set due window, type the actual value before this template is due for each cumulative reading type used in this template.'

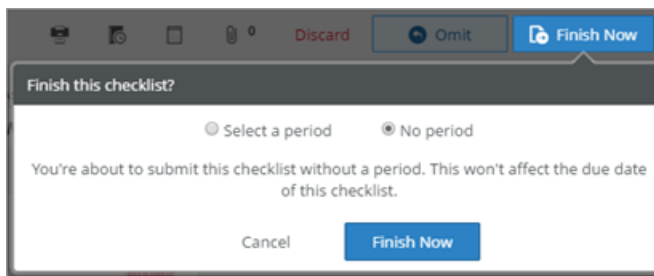
4. View the maintenance checklist in your **Onboard > Logs > To Do** list; it now shows the correct number of cumulative reading units until it's due.
5. If you have more than one maintenance checklist scheduled based on cumulative readings for a component, you'll need to set the correct due hours in the template for each one.

Troubleshooting

If you make a mistake when entering cumulative readings in the checklist used to record readings, don't use Correct History; it won't fix the actual cumulative reading values in the system. Use the following procedure instead.

To fix a mistake entering cumulative readings

1. Complete another copy of the checklist used to record readings immediately and enter the correct cumulative reading values in the **Total** fields.
2. In the **Finish this checklist?** window, select **No period**, then click **Finish Now**.



This will reset the cumulative reading values for the component to the correct value without affecting the schedule for the checklist used to record readings.



Important

If you enter incorrect values into a checklist used to record cumulative readings, this can potentially cause a maintenance checklist scheduled based on cumulative reading values to become due at the wrong time. If you correct the cumulative readings using the above method before the maintenance checklist is completed, the checklist will be due as intended. However, someone could complete the maintenance checklist first and then correct the component cumulative reading values later. If that occurs, the due values in the maintenance checklist for the affected component will be incorrect. You'll need to edit the due values in the template for the maintenance checklist for any affected component as shown in *Set due values* above.
