

DIGITAL FLEET

Data Diagnostic Icon and Identifier

When the ELD has identified a data diagnostic event is occurring, the **Duty Status** button on the driver app will be outlined in yellow. Additionally, the **Duty Status** screen and **ELD menu** screen will display the **Data Diagnostic** button

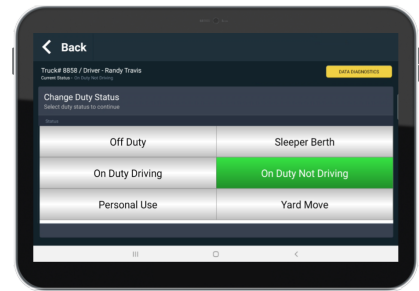
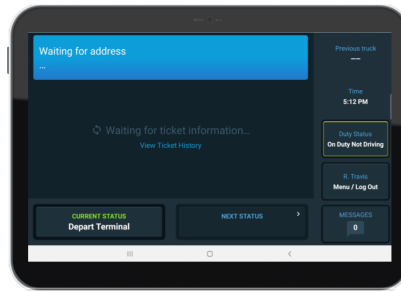


. The active Data Diagnostics can be viewed in the Data Diagnostic screen.

Access Data Diagnostic Screen

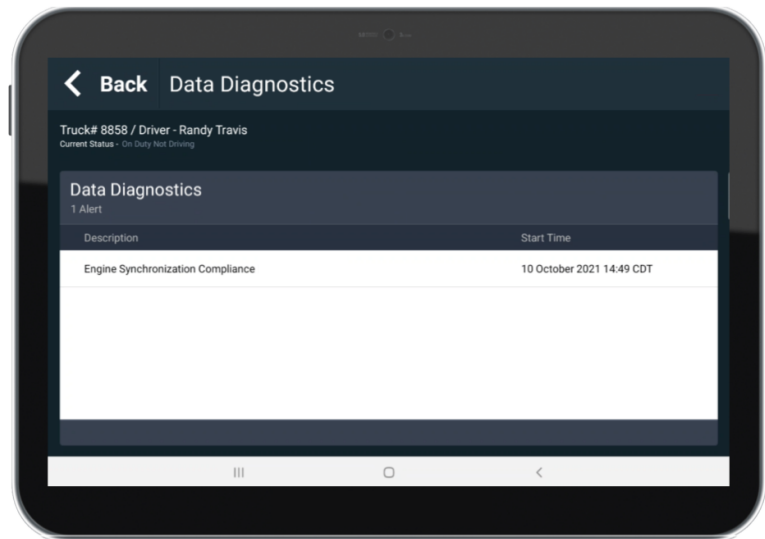
1. Select the  button on the **Duty Status** or **ELD** screens.

Note: The Data Diagnostic screen can only be accessed when the vehicle is stopped.



Review Data Diagnostic Screen

1. Within the Data Diagnostic screen, the active Data Diagnostic(s) will be listed.
2. The data and time listed is the start time of the event.
3. Data Diagnostics will automatically clear when the issue is no longer present..



Driver Responsibilities when Data Diagnostic Event is Present

1. Since the Data Diagnostic events are less severe than an ELD Malfunction, action is only required for the specific instances listed in Table 1.
2. To ensure accurate ELD records, it's recommended to always review the ELD Records during a Data Diagnostic event and edit records to add any missing data. This is specifically important when a **Missing Required Data Elements Data Diagnostic** is present.
3. For frequent occurrences of a Data Diagnostic event, it is recommended to notify the motor carrier as it could identify a more serious issue that will trigger an ELD Malfunction.

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Table 1: Data Diagnostic Events

Data Diagnostic Description	Driver Response
<p>Missing Required Data Elements Data Diagnostic: An ELD must monitor the completeness of the ELD event record information in relation to the required data elements for each event type, and must record a missing data element and data diagnostics event for the driver, if any required field is missing at the time of recording.</p>	<ol style="list-style-type: none"> Review and identify any new ELD Records that contain empty data fields. If applicable, and the information is known, manually edit the impacted ELD Records with the missing data.
<p>Unidentified Driving Records Data Diagnostic: If more than 30 minutes of driving in a 24-hour period shows unidentified driver on the ELD, the ELD must detect and record an unidentified driving record data diagnostic event, and the data diagnostic indicator must be turned on for all drivers logged in to that ELD for the current 24-hour period and the following seven days.</p>	<ol style="list-style-type: none"> Review the Unidentified Driver Records <ol style="list-style-type: none"> Select the Unidentified Driving Records Data Diagnostic entry to open the Unidentified Driver Records screen. <div data-bbox="751 856 1495 968" style="background-color: #2c3e50; color: white; padding: 5px; margin: 10px 0;"> <p>20 November 2017 13:15 CST Unidentified Driving Records Data Diagnostic Event</p> </div> <ol style="list-style-type: none"> Scroll through the days for any listed Unidentified Driver Records. <ol style="list-style-type: none"> Claim any records that belong to the driver. <ol style="list-style-type: none"> Select the desired record(s). Select the Claim button. <div data-bbox="792 1184 1446 1650" style="margin: 10px 0;"> </div>
<p>Power Data Diagnostic: An ELD must monitor the data it receives from the engine ECM or alternative sources, and data record history to identify instances when it may not have complied with the power requirements.</p>	<ol style="list-style-type: none"> No action is required for sporadic events that clear within a few minutes. For frequent occurrences (daily or multiple times in a day), notify the motor carrier of the consistent Power Data Diagnostic Events.

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Data Diagnostic Description	Driver Response
<p>Engine Synchronization Data Diagnostic: An ELD is required to establish a link to the engine ECM, and must record an engine synchronization data diagnostics event, when it no longer can acquire values for the ELD parameters required for records within five seconds.</p>	<ol style="list-style-type: none">1. No action is required for sporadic events that clear within a few minutes.2. For frequent occurrences (daily or multiple times in a day), notify the motor carrier of the consistent Engine Synchronization Data Diagnostic Events.
<p>Data Transfer Data Diagnostic: An ELD must implement in-service monitoring functions to verify that the data transfer mechanism(s) are continuing to function properly. An ELD must verify this functionality at least once every seven days.</p>	<ol style="list-style-type: none">1. No action required.