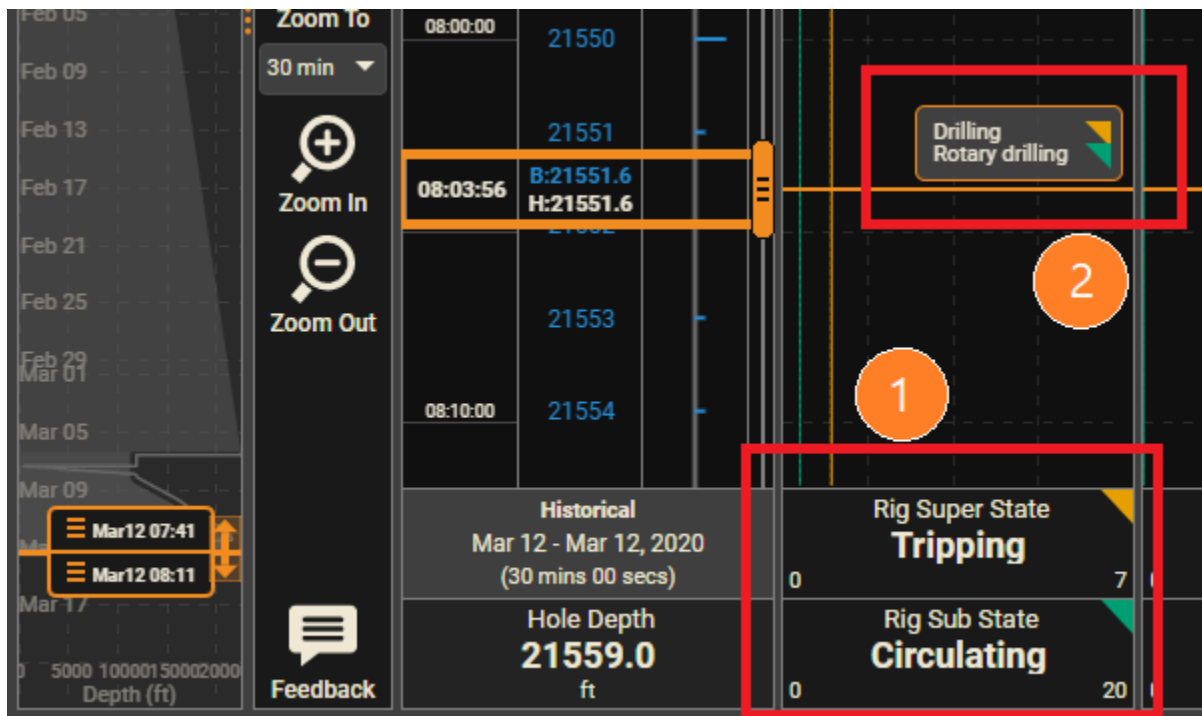The EDR includes two traces you can use to determine the rig's state at a specific time or depth: **Rig Super State** and **Rig Sub State**. The super state describes activity at a high level, while the sub state provides more detail.

These traces are available on the EDR, DataHub, and Pason Live in full 1-second frequency.

The rig state traces display the following numbers that correspond to specific activities.

			Super State					
			0	1	4	5	6	7
			Unknown	Drilling	Transition	Out of Hole	Pre-spud	Tripping
Sub State	0	Unknown	•	•	•	•	•	•
	1	Rotary drilling		•				
	2	Sliding		•				
	3	Connection		•	•			•
	4	Static		•	•			•
	5	Circulating		•	•			•
	6	Washing		•	•			•
	7	Reaming		•	•			•
	10	Pulling out of hole (POOH)						•
	11	Running in hole (RIH)						•

If you're using Pason Live, the real-time ① and reading-bar ② values are automatically displayed in text form, so you can easily see the activity without the need to reference this table.

Definitions for the Rig Super States are shown below.

Super State		Description
0	Unknown	We can't determine the rig state.
1	Drilling	Drilling activity occurring at, or near, hole depth.
7	Tripping	Pipe is being withdrawn and the bit is moving toward the surface, or pipe is being added and the bit is moving toward hole depth.
4	Transition	Bit is within one stand of the hole depth and may be in-between drilling and tripping. No drilling or tripping is occurring.
5	Out of hole	Bit is at, or near, the surface.
6	Pre-spud	Hole depth is 0. Drilling hasn't started.