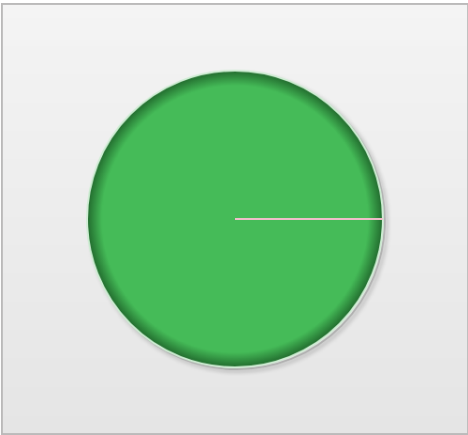# TestRail

Snapshot 4 Summary

Project: Autonomous Driving Car

By Humayra Rashid, 5/10/2025 10:32 PM

Run: Test Run 5/10/2025, Snapshot 4

10 Passed

100% set to Passed

0 Blocked

0% set to Blocked

0 Retest

0% set to Retest

0 Failed

0% set to Failed

100%
passed

0 / 10 untested (0%).

| Completed | No |

Activity

5/5/2025 – 5/10/2025:

🟩	**10 Passed**	56% set to Passed
⬛	**0 Blocked**	0% set to Blocked
🟨	**2 Retest**	11% set to Retest
🟥	**6 Failed**	33% set to Failed

Saturday, May 10, 2025

Passed	Stress test: extended mixed-condition drive	Tested by Henry X.
Failed	Stress test: extended mixed-condition drive	Tested by Henry X.
Assigned	Stress test: extended mixed-condition drive	Assigned to Henry X.
Passed	Real-time configuration update without system restart	Tested by Henry X.
Assigned	Real-time configuration update without system restart	Assigned to Daniel G.
Passed	System recovery after temporary sensor failure	Tested by Henry X.

Retest	System recovery after temporary sensor failure	Marked by Henry X.
Assigned	System recovery after temporary sensor failure	Assigned to Rodrigo V.
Passed	Logging during obstacle avoidance	Tested by Henry X.
Retest	Logging during obstacle avoidance	Marked by Henry X.
Assigned	Logging during obstacle avoidance	Assigned to Humayra R.
Passed	Mixed mode driving test in real time	Tested by Henry X.
Assigned	Mixed mode driving test in real time	Assigned to Henry X.
Passed	Log file rotation and size handling	Tested by Henry X.
Failed	Log file rotation and size handling	Tested by Henry X.
Assigned	Log file rotation and size handling	Assigned to Daniel G.
Passed	Continuous operation for 10 min	Tested by Henry X.
Failed	Continuous operation for 10 min	Tested by Henry X.
Assigned	Continuous operation for 10 min	Assigned to Rodrigo V.
Passed	Fault handling test	Tested by Henry X.
Failed	Fault handling test	Tested by Henry X.
Assigned	Fault handling test	Assigned to Humayra R.

Passed	Driving mode toggles	Tested by Henry X.
Failed	Driving mode toggles	Tested by Henry X.
Assigned	Driving mode toggles	Assigned to Henry X.
Passed	Logging system records inputs	Tested by Henry X.
Failed	Logging system records inputs	Tested by Henry X.
Assigned	Logging system records inputs	Assigned to Daniel G.
Untested	Logging during obstacle avoidance	
Untested	Mixed mode driving test in real time	
Untested	Log file rotation and size handling	
Untested	Continuous operation for 10 min	
Untested	Fault handling test	
Untested	Driving mode toggles	
Untested	Logging system records inputs	

Progress
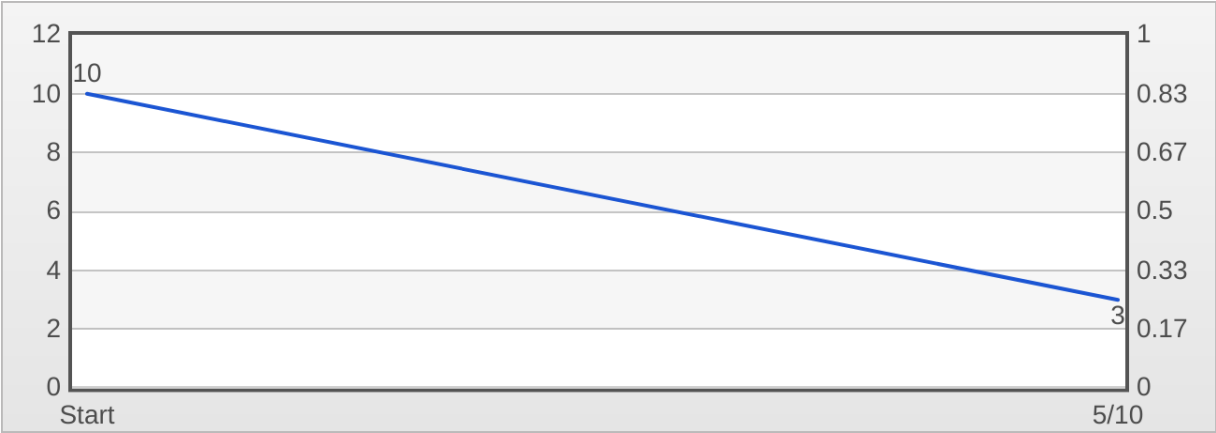
Since 5/10/2025:

Remaining Tests

100% of tests completed.

Remaining Effort

Forecast not available.

Ideal Progress

Forecast not available.

Forecasts & Estimates

Based on the current activity and forecasts, the projected completion date for the test run(s) is:

Unknown

Forecast not possible

The test run(s) were started **21 hours ago** (5/10/2025).

Completed:100%(10/10)

Elapsed:0h 0m

Tests / day: 10

Hours / day:n/a

Metric	By Estimate	By Forecast
Completed	0h 0m	n/a
To-do	0h 0m	n/a
Total	0h 0m	n/a

Tests & Results

Snapshot 4 (10)

This section covers the final integrated features of the autonomous driving system, as well as preliminary validation of enhancements planned for future versions. Tests in this section focus on verifying the stability, configurability, and logging functionality of the final build. It also includes exploratory testing for experimental features such as adjustable driving modes and sensor logging extensions.

The objective is to ensure the system operates consistently under prolonged use and can support modular improvements without breaking core functionality.

Focus Areas:

Logging system for sensor and decision data

Mode switching (e.g., aggressive vs. cautious driving profiles)

System performance under variable conditions

Graceful handling of edge cases and faults

Validation of modular design extensibility

ID	Title	Status
T53	Logging system records inputs	Passed
T54	Driving mode toggles	Passed
T55	Fault handling test	Passed

T56	Continuous operation for 10 min	Passed
T57	Log file rotation and size handling	Passed
T58	Mixed mode driving test in real time	Passed
T59	Logging during obstacle avoidance	Passed
T67	System recovery after temporary sensor failure	Passed
T68	Real-time configuration update without system restart	Passed
T69	Stress test: extended mixed-condition drive	Passed