APTIV CONNECT QUALIFIER

AI Insights

Useful answers require more than a large language model. Qualifier AI Insights connects domain-trained agents with governed vehicle data, so engineering teams can see the evidence behind every result.

Many vehicle validation engineers spend almost half of their time sifting through data looking for anomalies and outliers. For years, Aptiv Connect Qualifier has been making those tasks easier with dashboards and reports tailored to preproduction validation needs. Now, AI Insights takes those capabilities to the next level, providing immediate answers to natural language queries.

AI LIKE NO OTHER

Aptiv has spent decades refining our vehicle data structures and proprietary APIs. That foundation, combined with the expertise gained from working with the world's leading vehicle manufacturers, allowed us to develop AI agents that are experts at vehicle validation.

Unlike general-purpose AI assistants pointed at an undifferentiated data lake, Qualifier AI Insights provides accurate answers. It can tell you both what it knows and what it doesn't know. It can generate visualizations and suggest prioritized next steps.

LET AI WORK ALONGSIDE YOUR TEAM

AI Insights offers benefits for every member of your team. For new hires and recent college grads, AI Insights functions like a mentor, pointing them in the right direction for problem-solving. It helps experienced engineers maximize productivity. And for managers, it can summarize data and generate visualizations that help you spot trends across vehicle models.

BENEFITS

- **Reduce time spent sifting through vehicle data**
- **Catch quality issues before vehicles go to production**
- **Find trends and anomalies**
- **Help new hires become productive sooner**
- **Accelerate program and engineering decisions**

AI Insights is intended to support engineering judgment, not replace it. It can help you understand what happened, what stands out, and what evidence supports an answer, so that you can take the right next step.

PART OF APTIV CONNECT QUALIFIER

AI Insights is integrated directly with the rest of the Aptiv Connect Qualifier solution. So if you're already a Qualifier user, deployment is fast and easy.

To learn more about AI Insights and see it in action for yourself, contact your Aptiv representative.

APTIV

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FEATURES & BENEFITS	
Natural-language interface	Ask bounded questions without needing to know every Qualifier screen or report structure
Current-state lookup	Find relevant vehicles, attributes, packages, calibration, location metadata, and logger context to speed validation work
Bounded investigation	Retrieve DTC, trip, and operational records for defined vehicles and time windows to aid in troubleshooting and to ensure test coverage
Visualization generation	Create custom graphs and charts that can highlight trends and anomalies
Suggested next steps	Save time by anticipating and prioritizing possible actions
Evidence and drill-down	Understand the records, scope, and support, so that you can be sure of its accuracy
Governed measures	Build toward consistent definitions, populations, units, time semantics, freshness, and coverage
Saved sessions	Resume work without starting from scratch
Monitoring and workflow	Track meaningful changes and carry findings through human review

Move from scattered records to evidence-based understanding



SAMPLE USE CASES

The possible uses for AI Insights are endless, but here are some of the most common:

- Prioritize events based on occurrence rate and identify trends based on software versions, module behavior, and related KPIs.
- Identify new events and DTCs and associate events that may have a similar root cause.
- Detect and priortize anomalies like unusual DTCs, events, mileage, location, and idle time.
- Compare performance among different software versions, detecting any weanesses.

About Aptiv

Aptiv PLC (NYSE: APTV) is a global industrial technology leader delivering advanced solutions people trust when it matters most across automotive, commercial vehicle, aerospace and defense, telecom and datacom, and other diversified industrial end markets.

Our differentiated portfolio enables devices and systems to sense, think, act, and continuously optimize performance. Building on decades of innovation, Aptiv brings global scale and a resilient, localized value chain to customers across the globe. Learn more at Aptiv.com