

Based on a thorough review of the attached presentation on **HiTEC® 6590C**, here are the **key points related to emissions reduction and independent certifications** that can support sustainability claims for the **Slipstream gasoline additive** if it is based on or similar to HiTEC 6590C:

Independent Lab-Verified Emissions-Related Performance

HiTEC 6590C shows **verified emission-related improvements** as tested by **Southwest Research Institute (SwRI)** and **Intertek**, two well-known independent laboratories:

- 1. **Reduced Combustion Chamber Deposits (CCD)**
 - *SwRI test*: CCD levels reduced by **42%** on average after treatment with 58.8 PTB dose.
 - Lower CCDs are directly correlated with reduced **NOx** and **particulate emissions**, especially in high-compression direct injection engines.
 - 2. **Intake Valve Deposits (IVD) Reduction**
 - Achieved a **69% reduction** in IVDs after 1,500 miles of use.
 - Reduced valve deposits are critical in lowering **hydrocarbon (HC) emissions**.
 - 3. **Chrysler Port Fuel Injector (PFI) Test**
 - Passed with emissions well below the **EPA 5% deterioration limit** (H6590C @ 23.5 PTB), showing it does **not contribute to regulated emissions**.
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Government and Industry Certifications

HiTEC 6590C is **certified by multiple authoritative bodies**, which reinforces environmental credibility:

Certification Body	Certification Details	Reference
U.S. EPA	Certified at 23.5 PTB for meeting emissions and deposit control requirements	Slide: “U.S. EPA Certified @ 23.5 PTB”
TOP TIER™ Gasoline	Passed all TOP TIER™ tests including IVD, CCD, injector fouling, and intake valve sticking	Slide: “TOP TIER™ Testing”

These certifications confirm the additive’s **positive environmental impact** and **fuel quality improvement**.

No Direct Claim of CO₂ Emissions Reduction

While the slide deck references “Reduced emissions” and “Fuel economy improvement” under performance features, there is **no specific quantitative claim for CO₂ reduction**. However, deposit reduction and improved combustion efficiency logically support this outcome.

Sustainability Claims You Can Confidently Make (Backed by Data)

If Slipstream is based on HiTEC 6590C:

- **“Independently tested to reduce intake valve and combustion chamber deposits, contributing to cleaner engine operation and lower emissions.”**
 - **“Certified by U.S. EPA, and meets all TOP TIER™ performance standards for clean fuel performance.”**
 - **“Improves combustion efficiency—reducing hydrocarbon and particulate emissions associated with dirty injectors and valves.”**
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