

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**.
- 

### **Government and Industry Certifications**

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

<b>Certification Body</b>	<b>Certification Details</b>	<b>Reference</b>
<b>U.S. EPA</b>	Certified at 23.5 PTB for meeting emissions and deposit control requirements	Slide: "U.S. EPA Certified @ 23.5 PTB"
<b>TOP TIER™ Gasoline</b>	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 CO<sub>2</sub> Emissions Reduction**

While the slide deck references “Reduced emissions” and “Fuel economy improvement” under performance features, there is **no specific quantitative claim for CO<sub>2</sub> 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.”**
-