

# SAE CSC2007 SNOWMOBILE DESCRIPTION FORM

**Team Name:** Kettering Bulldogs

**Team Number:** 3

**Chassis-Year and Model:** 06 Polaris FST

## **Engine**

**Engine Cycle:** 4-stroke

**Number of Cylinders:** 2

**Engine Displacement:** 750cc

**Engine Manufacturer:** Weber

**Engine Modifications:** None

**Compression Ratio:** 9.0:1

**Turbocharged or Supercharged?** Yes; Turbocharged

**Engine Management System:** Bosch M7.4.4

**Fuel Delivery – Carburetors:** EFI

**Fuel Pump Pressure:** 43.5psi

**Fuel Type:** E85

## **Emission Control**

**Air/Fuel Ratio Chosen:** Stoichometric, Mode 1: $\lambda = .88$

**Catalyst/Type:** Yes, 3-way

**Secondary Air Injection?** No

**Exhaust Gas Recirculation?** No

**Other:**

## **Noise Control**

**Muffler Design:** 3 mufflers in series, wrap around the tunnel and exit into frock

**Noise Treatment:** Track isolators

## **Cooling**

**Describe Strategy:** Stock cooling methods

## **Other Unique Features of Your Snowmobile**

**Describe Strategy:** It runs ...