

# SAE CSC2007 SNOWMOBILE DESCRIPTION FORM

**Team Name:** Michigan Tech Clean Snowmobile

**Team Number:** 6

**Chassis-Year and Model:** 2006 Polaris FST

## **Engine**

**Engine Cycle:** 4-stroke

**Number of Cylinders:** 2

**Engine Displacement:** 749cc

**Engine Manufacturer:** Weber

**Engine Modifications:** Rotate head 180°

**Compression Ratio:** 9:1

**Turbocharged or Supercharged?** Yes; turbocharged

**Engine Management System:** AEM

**Fuel Delivery – Carburetors:** EFI

**Fuel Pump Pressure:** 93 psi

**Fuel Type:** E85

## **Emission Control**

**Air/Fuel Ratio Chosen:** Stoich

**Catalyst/Type:** 3-way

**Secondary Air Injection?** No

**Exhaust Gas Recirculation?** No

**Other:**

## **Noise Control**

**Muffler Design:** Custom – Absorption [sic]

**Noise Treatment:** Noise detoning materials everywhere

## **Cooling**

**Describe Strategy:** Heat exchangers, radiators

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

**Describe Strategy:** Rear exit exhaust w/AEM Fuel Management running on E85