

# SAE CSC2007 SNOWMOBILE DESCRIPTION FORM

**Team Name:** Pioneers

**Team Number:** 7

**Chassis-Year and Model:** 2002 Polaris Pro X

## **Engine**

**Engine Cycle:** 2-stroke

**Number of Cylinders:** 2

**Engine Displacement:** 598cc

**Engine Manufacturer:** Ski-doo Rotax

**Engine Modifications:** RK-Tek head

**Compression Ratio:** 14:1

**Turbocharged or Supercharged?** No

**Engine Management System:** Full Flex, Dobeck TFI

**Fuel Delivery – Carburetors:** SDI

**Fuel Pump Pressure:** 58 psi

**Fuel Type:** E85

## **Emission Control**

**Air/Fuel Ratio Chosen:** Lean

**Catalyst/Type:** 2-stage V-converter 400 cells/in<sup>2</sup>

**Secondary Air Injection?** Yes

**Exhaust Gas Recirculation?** No

**Other:**

## **Noise Control**

**Muffler Design:** Primary and secondary mufflers

**Noise Treatment:** Dyno-mat

## **Cooling**

**Describe Strategy:** Radiator with fan, heat exchanger, fans and cowl induction with heat shields

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

**Describe Strategy:** Under seat exhaust, air-cooled catalytic converter