

# SAE CSC2007 SNOWMOBILE DESCRIPTION FORM

**Team Name:** University of Idaho

**Team Number:** 10

**Chassis-Year and Model:** 2006 Ski-doo MXZ 600

## **Engine**

**Engine Cycle:** 2-stroke

**Number of Cylinders:** 2

**Engine Displacement:** 593cc

**Engine Manufacturer:** Rotax

**Engine Modifications:** Direct Injection System

**Compression Ratio:** 6.2 trapped compression ratio

**Turbocharged or Supercharged?**

**Engine Management System:** Motec

**Fuel Delivery – Carburetors:** DI

**Fuel Pump Pressure:** 35 psi

**Fuel Type:** E10

## **Emission Control**

**Air/Fuel Ratio Chosen:** Varies

**Catalyst/Type:** Pd - Aristo

**Secondary Air Injection?** No

**Exhaust Gas Recirculation?** No

**Other:**

## **Noise Control**

**Muffler Design:** Modified Stock

**Noise Treatment:** Sound deadening materials, hood scoops

## **Cooling**

**Describe Strategy:** Tunnel heat exchanger, hood scoops

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

**Describe Strategy:** Lightweight, 20+ mpg, great handlings, clean, quiet, and quick