

SAE CSC2008 SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to the registration desk. *Answer all questions about your snowmobile as it is actually competing (not as it was intended to compete).*

Team Name: **Minnesota State University- Mankato** Team Number: **8**

Chassis-Year and Model: **2005 Artic Cat F5**

Engine

Engine Cycle (2-stroke, 4-stroke, rotary, or electric): **2 Stroke** Number of cylinders: **2**

Engine Displacement (cc or electric motor size): **499CC**

Engine Manufacturer : **Suzuki**

Engine Modifications (if any): **Milled Cylinder Head**

Compression Ratio: **11:1**

Turbocharged? or Supercharged? Yes or No : **NO**

Engine Management System: **Motec**

Fuel Delivery -Carburetors, EFI, DI, SDI -: **EFI**

Fuel Pump Pressure: **50** psi Fuel Type: E10,E85, B10 Battery Technolgy: **E85**

Emission Control

Air/Fuel Ratio Chosen (lean, stoichometric?): **Stoichometric 10:1**

Catalyst? Type? : **Heraeus 3 way Cat**

Secondary Air Injection? - Yes or No : **NO**

Exhaust Gas Recirculation? – Yes or No : **NO**

Other : **N/A**

Noise Control

Muffler Design : **Stock F7 muffler with White Brothers Pipe**

Noise Treatment: **Sound insulation on engine compartment panels and clutch cover.**

Cooling

Describe Strategy : **Original Factory Coolers**

Other Unique Features of Your Snowmobile

Describe Strategy: **Converted Carbureted engine to custom SDI –E85 Burning**