

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 **NIU Huskies**

Team Number: **14**

Chassis-Year and Model: **1996 Ski-doo Formula SLS**

Engine

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

Engine Displacement (cc or electric motor size) **600**

Engine Manufacturer: **Ski Doo**

Engine Modifications (if any): **Straight line performance billet head**

Compression Ratio: **Static 11:1, Dynamic 8.5:1**

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

Engine Management System: **Stock ECU 2/Boondocker :Piggy Back:**

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

Fuel Pump Pressure_ **60**_psi Fuel Type : E10, E85, B10, Battery technology: **E85**

Emission Control

Air/Fuel Ratio Chosen (lean, stoichometric?) **13:1**

Catalyst? Type? **Yes, Two 4 inch 3 way catalysts**

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

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

Other

Noise Control

Muffler Design: **Multi-Chamber muffler in series w/diffuser muffler**

Noise Treatment: **Hood and engine compartment insulation**

Cooling

Describe Strategy: **Using existing stock cooling system**

Other Unique Features of Your Snowmobile

Describe Strategy: **Custom 2 Chamber air intake**