

SAE CSC2004 SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to Lori Witting before you leave the registration area. *Answer all questions about your snowmobile as it is actually competing (not as it was intended to compete).* Please answer all questions accurately, as the responses you supply will be used to summarize your entry in the SAE CSC2004 Summary Technical Paper.

Team Name and Number: University of Idaho #1

Engine

Engine Cycle (2-stroke, 4-stroke, rotary) 2-stroke

Engine Displacement (cc) 600 cc

Engine Manufacturer Arctic Cat

Engine Modifications Custom head, direct injection, custom pistons

Compression Ratio 7.1 - 1

Turbocharged? Supercharged? No

Engine Management System Motec ECU, student designed injector driver, MSD ignition, student designed high voltage source

Fuel Delivery (Carburetors, EFI, DI): DI

Emission Control

Air/Fuel Ratio Chosen (lean, stoich?) ?

Catalyst? Type? None

Secondary Air Injection? No

Exhaust Gas Recirculation? No

Other _____

Noise Control

Describe Strategy Rino lined chassis to reduce vibration, student designed silencer, insulation on belly pans, hood and clutch cover, sealed hood

Performance Maintenance

Describe Strategy two-stroke engine for power

Other Unique Features of Your Snowmobile

Describe Strategy lexan hood to reduce weight, low pressure fuel supply, high pressure fuel injection.

Special Measurements Needed for Acceleration Event

Inside Ski Stance 37 inches **Outside Ski Stance** 46.5 inches **Front Bumper Height** 18 inches