

SAE CSC2005 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).* Please answer all questions accurately, as the responses you supply will be used to summarize your entry in the SAE CSC2005 Summary Technical Paper.

Team Name University of Idaho **Team Number:** 11

Engine

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

Engine Displacement (cc or electric motor size) 600 cc

Engine Manufacturer Polaris

Engine Modifications combustion chamber design, adapted direct injection system

Compression Ratio 6.5:1

Turbocharged? Supercharged? no

Engine Management System electronic engine management

Fuel Delivery (Carburetors, EFI, DI): direct injection

Fuel Pump Pressure 40 psi

Emission Control

Air/Fuel Ratio Chosen (lean, stoich?) lean at low throttle, stoich at mid throttle, rich at full throttle

Catalyst? Type? no

Secondary Air Injection? no

Exhaust Gas Recirculation? no

Other _____

Noise Control

Describe Strategy spiral muffler, engine sound damping material, fewer hood vents

Performance Maintenance

Describe Strategy direct injection maintains power, direct drive increases power transfer

Other Unique Features of Your Snowmobile

Describe Strategy _____
