

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: Idaho State University #7

Engine

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

Engine Displacement (cc) 500 cc

Engine Manufacturer Polaris

Engine Modifications Fuel injected

Compression Ratio stock

Turbocharged? Supercharged? No

Engine Management System Halteck

Fuel Delivery (Carburetors, EFI, DI): EFI

Emission Control

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

Catalyst? Type? Yes Hydrocarbon

Secondary Air Injection? Yes

Exhaust Gas Recirculation? No

Other Vortex tube separation

Noise Control

Describe Strategy Modified muffler sealed hood

Performance Maintenance

Describe Strategy Tuning w/ EFI

Other Unique Features of Your Snowmobile

Describe Strategy _____

Special Measurements Needed for Acceleration Event

Inside Ski Stance 30 inches **Outside Ski Stance** 43 inches **Front Bumper Height** 14³/₄ inches