

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 Minnesota State University **Team Number:** 7

Engine

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

Engine Displacement (cc or electric motor size) 683 cc

Engine Manufacturer Polaris

Engine Modifications EFI cylinder head, cam, crank sensors, map sensor

Compression Ratio 9.78:1

Turbocharged? Supercharged? no

Engine Management System Motec ECU M48

Fuel Delivery (Carburetors, EFI, DI): electronic fuel injection

Fuel Pump Pressure 90 psi

Emission Control

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

Catalyst? Type? three way catalyst

Secondary Air Injection? no

Exhaust Gas Recirculation? no

Other _____

Noise Control

Describe Strategy custom exhaust system, engine sound damping material, quiet track

Performance Maintenance

Describe Strategy EFI head, E85 fuel, Motec ECU

Other Unique Features of Your Snowmobile

Describe Strategy exhaust below seat, rider friendly ergonomics, fuel mapping optimization, E85 fuel
