

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: Michigan Tech University #2

Engine

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

Engine Displacement (cc) 600

Engine Manufacturer Honda

Engine Modifications Exhaust, left side engine cover, clutch basket adaptor, output shaft

Compression Ratio 12:1

Turbocharged? Supercharged? None

Engine Management System Stock Honda ECU

Fuel Delivery (Carburetors, EFI, DI): EFI

Emission Control

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

Catalyst? Type? Yes, Monolithic

Secondary Air Injection? Yes

Exhaust Gas Recirculation? No

Other _____

Noise Control

Describe Strategy Muffler tuned to reduce dominant exhaust frequencies, acoustic foam insulation.

Performance Maintenance

Describe Strategy 92 HP 4 cylinder 4 stroke engine, lightweight suspension

Other Unique Features of Your Snowmobile

Describe Strategy Under seat exhaust that exits in rear; custom gas tank & seatlift

Special Measurements Needed for Acceleration Event

Inside Ski Stance 35½ inches **Outside Ski Stance** 44½ inches **Front Bumper Height** 21 inches