

SAE CSC2009 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).

Team Name University of Wisconsin-Madison ZE Team Number: 25

Chassis-Year '06 Model Polaris Fusion
Engine

Engine Cycle (2-stroke, 4-stroke, rotary, or electric) Electric Number Of cylinders N/A

Engine Displacement (cc or electric motor size) ~~78~~ 100 kW

Engine Manufacturer Delphi Automotive System / General Motors

Engine Modifications (if any) N/A

Compression Ratio N/A

Turbocharged? or Supercharged? Yes or No - If Yes circle one N/A

Engine Management System ECU Motomtron / Woodward ~~PCM 555-80~~

Fuel Delivery -Carburetors, EFI, DI, SDI - (circle one) N/A

Fuel Pump Pressure ___ psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology Li-Ion

Emission Control

Air/Fuel Ratio Chosen (lean, stoichometric?) N/A

Catalyst? Type? N/A

Secondary Air Injection? - Yes or No (circle one)

Exhaust Gas Recirculation? - Yes or No (circle one)

Other Zero-emissions electric

Noise Control

Muffler Design N/A

Noise Treatment Track paddle damper

Cooling

Describe Strategy Closed-circuit liquid-cooled with coolant
and liquid-to-snow heat exchangers

Other Unique Features of Your Snowmobile ^{Part}

Describe Strategy ~~Electric~~ Electric, with state of charge estimation

Track Manufacturer Campcraft Length 121" Pitch 1.25"

Studs 96 1.275" Woody's Gull-digger