

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 Michigan Technological University Team Number: 4

Chassis-Year 08 Model Polaris FST Switchback

Engine

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

Engine Displacement (cc or electric motor size) 750 cc

Engine Manufacturer Weber Motor Company

Engine Modifications (if any) high compression, reverse cam, rotated head

Compression Ratio 11.5:1

Turbocharged? or Supercharged? Yes or No – If Yes circle one

Engine Management System ECU) AEM

Fuel Delivery -Carburetors, EFI, DI, SDI – (circle one)

Fuel Pump Pressure 43 + (boost compensated) psi Fuel Type (circle one) Flex Fuel Biodiesel, Battery technology _____

Emission Control

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

Catalyst? Type? V-converter

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

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

Other _____

Noise Control

Muffler Design MTU designed expansion chamber

Noise Treatment sound foam

Cooling

Describe Strategy ~~stock tunnel coolers~~ tunnel extruders

Other Unique Features of Your Snowmobile

Describe Strategy rear exit exhaust, MTU designed intake, MTU modified

Track Manufacturer Camoplast Length 120" Pitch 2.86" suspensions

Studs _____