

SAE CSC2014 IC SNOWMOBILE DESCRIPTION FORM

Please fill out the following form and return it to the registration desk. *Answer all questions about your nowmobile as it is actually competing (not as it was intended to compete).*

Team Name University at Buffalo Team Number: 008

Chassis-Year '11 Model Polaris 600 IQ

Engine
Engine Cycle (2-stroke, 4-stroke, rotary, or electric) 4-stroke Number Of cylinders 3

Engine Displacement (cc or electric motor size) 952cc

Engine Manufacturer Briggs and Stratton

Engine Modifications (if any) Barnett 6T1541V, intercooler, exhaust manifold, flywheel

Compression Ratio 24.8:1

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

Engine Management System ECU N/A

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

Fuel Pump Pressure 6 psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology _____

Emission Control

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

Catalyst? Type? Diesel Oxidation Catalyst

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

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

Other Diesel Particulate Filter

Noise Control

Muffler Design None

Noise Treatment Neoprene chassis treatment

Cooling

Describe Strategy Front mounted Radiator, CPC quick disconnects in parallel

Other Unique Features of Your Snowmobile

Describe Strategy "Eco-System" powered by microcontroller

Track Manufacturer Cummins Length 121" Pitch _____

Traction Studs No? Yes? Type 1/8"