

SAE CSC 2011 IC 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 Clarkson University Team Number: 22

Chassis-Year 2008 Model Polaris 600 RR
Engine

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

Engine Displacement (cc or electric motor size) 37kW

Engine Manufacturer — Solectria

Engine Modifications (if any) —

Compression Ratio —

Turbocharged? or Supercharged? Yes or No - If Yes circle one NA

Engine Management System (ECU) Azure PMDC

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

Fuel Pump Pressure — psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology LiFePo

Emission Control

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

Catalyst? Type? —

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

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

Other —

Noise Control

Muffler Design —

Noise Treatment —

Cooling

Describe Strategy Air-Cooled

Other Unique Features of Your Snowmobile

Describe Strategy Design Efficient utility vehicle that produces zero emissions

Track Manufacturer Camoplast Length 121 Pitch 2.52"

Traction Studs No? Yes? Type Woody's