

# SAE CSC2014 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 Rochester Institute Team Number: 013

Chassis-Year 2013 Model Polaris Rush  
Engine

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

Engine Displacement (cc or electric motor size) 750cc

Engine Manufacturer Weber MPE

Engine Modifications (if any) None

Compression Ratio 9.0:1

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

Engine Management System ECU ViPec V88

Fuel Delivery -Carburetors, EFI, DI, SDI – (circle one) Port fuel injection (Bosch M-tronic)

Fuel Pump Pressure 43.5 psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology \_\_\_\_\_

### Emission Control

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

Catalyst? Type? Aristo 2-Way

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

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

Other Electronic throttle control

### Noise Control

Muffler Design RIT design, internal catalyst

Noise Treatment flow-through absorbtive, fiber-filled

### Cooling

Describe Strategy Front cooler, rail coolers, oil-water cooler, air-air intercooler, front-tunnel heat exchanger, rear heat exchanger, EGR gas-water cooler

### Other Unique Features of Your Snowmobile

Describe Strategy \_\_\_\_\_

Track Manufacturer Carnaplast Length 121 Pitch 2.52

Traction Studs No? NP Yes? Type N/A