

SAE CSC 2012 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 University of Waterloo Clean Snowmobile Team Team Number: 12

Chassis-Year 09 Model Ski-doo Renegade XP

Engine

Engine Cycle (2-stroke, 4-stroke, rotary, or electric) 4-stroke Number of Cylinders 3

Engine Displacement (cc or electric motor size) 660cc

Engine Manufacturer Arctic Cat

Engine Modifications (if any) Stand-alone ECU, intake, exhaust, air-cooled oil cooler

Compression Ratio 6.8 : 1

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

Engine Management System ECU Motec M400

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

Fuel Pump Pressure 45 psi Fuel Type (circle one) Flex Fuel, Biodiesel, Battery technology
(1:1 pressure compensated)

Emission Control

Air/Fuel Ratio Chosen (lean, stoichiometric?)

Catalyst? Type? 3-Way Cesium

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

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

Other _____

Noise Control

Muffler Design Aluminum single-defuser, side-resonant absorption

Noise Treatment acoustic foam

Cooling

Describe Strategy tunnel cooled with air-cooled oil cooler

Other Unique Features of Your Snowmobile

Describe Strategy 8" rear wheels, lithium-iron phosphate battery

Track Manufacturer Camoplast Length 137 Pitch 2.86

Traction Studs No? Yes? Type Pre-Studded