

# 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 Clarkson University - Winter Knights Team Number: 1

Chassis-Year 11 Model Ski Doo - MXZ Sport 600 ACE  
Engine

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

Engine Displacement (cc or electric motor size) 600 cc

Engine Manufacturer Rotax

Engine Modifications (if any) \_\_\_\_\_

Compression Ratio 12.0:1

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

Engine Management System ECU Stock + Power Commander II

Fuel Delivery - Carburetors, ☒ EFI, DI, SDI - (circle one) \_\_\_\_\_

Fuel Pump Pressure 55 psi Fuel Type (circle one) ☒ Flex Fuel, Biodiesel, Battery technology \_\_\_\_\_

## Emission Control

Air/Fuel Ratio Chosen (lean, stoichiometric?) Both lean/stoich - Depends on condition  
(change Automatically)

Catalyst? Type? 3-way (Pd, Rd)

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

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

Other \_\_\_\_\_

## Noise Control

Muffler Design Stock customized to integrate catalyst, 2 to 1 pipes

Noise Treatment Acoustic foam, exhaust wrap, muffler packing

## Cooling

Describe Strategy Stock heat exchangers and cooling system, modified for dyne w/ quick connects

## Other Unique Features of Your Snowmobile

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

Track Manufacturer Camoplast Length 121 Pitch 2.86"

Traction Studs No? ☒ Yes? Type \_\_\_\_\_