



APPENDIX A
Snowmobile Description Form for IC Engine Sleds

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 Kettering Univ. Bulldogs Team Number: 2

Chassis-Year and Model 2011 Skidoo MXZ Sport

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

Engine Displacement (cc) 600

Engine Manufacturer Rotax

Engine Modifications (if any) Miller cycle (late intake valve closing, Garrett MGT12352 turbocharger)
Electronic throttle, rolling flow exhaust plenum, Bosch EM14 fuel injectors, intelligent boost control

Compression Ratio 12:1

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

Engine Management System Woodward ECM-0565-128-0701-F

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

Fuel Pump Pressure 58 psi Fuel Type (circle one) Flex gasoline diesel

Emission Control

Air/Fuel Ratio Chosen (lean, stoichometric?) lean/stoich/rich (dependent upon speed and load)

Catalyst? Type? Yes, TWC, 1/0/1 metallic

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

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

Other

Noise Control

Muffler Design Expansion can with Tenneco passive HP valve

Noise Treatment Rubberized tunnel undercoating, engine bay hole blockoff panels

Cooling

Describe Strategy Stock heat exchanger

Other Unique Features of Your Snowmobile

Describe Strategy "Trail/Race" switch changes throttle mapping and available turbo boost
Prestudded camoplast Ice Attack XT track, 120x15x1.22
Heated intake air charge