

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 Ketting Snowdogs Team Number: 02

Chassis-Year and Model 2014 Skidoo MXZ Sport 600 ACE

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

Engine Displacement (cc) 600cc

Engine Manufacturer Polaris

Engine Modifications (if any) LINC, Turbo Charged

Compression Ratio 12:1

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

Engine Management System Woodward / Custom software

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

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

Emission Control

Air/Fuel Ratio Chosen (lean, stoichiometric?) Lean burn

Catalyst? Type? Lean Nox Trap Catalyst

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

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

Other _____

Noise Control

Muffler Design Large Volume Muffler with passive exhaust valve

Noise Treatment Dynamat, sand deadening foam, and tunnel liner spray

Cooling

Describe Strategy Stack cooling system. Intercooler installed for air charge

Other Unique Features of Your Snowmobile

Describe Strategy _____

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Team Name RIT Clean Snowmobile team Team Number: 012

Chassis-Year and Model 2013 Pro Rmk

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

Engine Displacement (cc) 750

Engine Manufacturer Weber

Engine Modifications (if any) None

Compression Ratio 9:1

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

Engine Management System Technical Services Entrol 99

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

Fuel Pump Pressure 40-70 psi Fuel Type (circle one) gasoline or diesel

Emission Control

Air/Fuel Ratio Chosen (lean, stoichiometric?) stoichiometric with EGR

Catalyst? Type? 3-way

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

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

Other _____

Noise Control

Muffler Design Custom muffler with internal baffles and catalyst

Noise Treatment muffler

Cooling

Describe Strategy Stock Rush radiator along with PRO Rmk Rear

cooling

Other Unique Features of Your Snowmobile

Describe Strategy Closed loop lambda-feedback and block learn capabilities for running flex fuel

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Team Name Clarkson Winter Knights Team Number: 011

Chassis-Year and Model 2016 Ski-Doo MXZ 600 ACE

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

Engine Displacement (cc) 599

Engine Manufacturer Rotax

Engine Modifications (if any) isotropic super finish Internal components, larger injectors

Compression Ratio 12:1

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

Engine Management System Piggyback PowerCommander V with flex-fuel sensor

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

Fuel Pump Pressure _____ psi Fuel Type (circle one) gasoline or diesel

Emission Control
Air/Fuel Ratio Chosen lean (lean, stoichiometric?)

Catalyst? Type? Yes

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

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

Noise Control
Muffler Design 2-1 header pipe with resonator

Noise Treatment Sound dampening material on tunnel and engine bay

Cooling
Describe Strategy Stack cooling system

Other Unique Features of Your Snowmobile

Describe Strategy Sound dampening casting on tunnel and engine bay
low viscosity oil, 137" R-motion skid with Silent Drive drives and
Ice Attack track

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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 Minn Duluth Team Number: 4

Chassis-Year and Model 2016 Arctic Cat Panther 3000

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

Engine Displacement (cc) 700

Engine Manufacturer Kymco

Engine Modifications (if any) Turbo, EGR, Intercooler, Exhaust, Intake, Drive by Wire

Compression Ratio 11:1

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

Engine Management System Hatztech

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

Fuel Pump Pressure 43.5 psi Fuel Type (circle one) gasoline or diesel

Emission Control
Air/Fuel Ratio Chosen (lean, stoichiometric?) Stoich

Catalyst? Type? Yes, 3 way

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

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

Noise Control
Muffler Design 5 chamber geometric deconstructive interference

Noise Treatment _____

Cooling
Describe Strategy Radiator and heat exchanger, snow cooled
water to air intercooler

Other Unique Features of Your Snowmobile
Describe Strategy _____