

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 UMD Snowdaws Team Number: 12

Chassis-Year and Model Arctic Cat 2014 ZR7000 LXR

Engine
Engine Cycle (2-stroke, 4-stroke, or rotary) 4-stroke Number Of cylinders 3

Engine Displacement (cc) 1049

Engine Manufacturer Yamaha

Engine Modifications (if any) None

Compression Ratio 11.11:1

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

Engine Management System Performance Electronics ECU

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

Fuel Pump Pressure 57 psi Fuel Type (circle one) gasoline diesel

Emission Control
Air/Fuel Ratio Chosen (lean, stoichometric?) depends on butanol content

Catalyst? Type? three-way Heraeus

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

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

Noise Control
Muffler Design Re-designed muffler

Noise Treatment Fiberglass insulation, quiet track

Cooling
Describe Strategy Heat exchangers and radiator

Other Unique Features of Your Snowmobile
Describe Strategy drive sprocket redesign.