

SAE CSC2007 SNOWMOBILE DESCRIPTION FORM

Team Name: McGill Electric Snowmobile Team (hybrid)

Team Number: 18

Chassis-Year and Model: 2006 MXZ

Engine

Engine Cycle: 4-stroke + electric

Number of Cylinders: 1

Engine Displacement: 211cc + 15 Kw cont.

Engine Manufacturer: Robin Subaru

Engine Modifications:

Compression Ratio: 95:1

Turbocharged or Supercharged? No

Engine Management System: None

Fuel Delivery – Carburetors:

Fuel Pump Pressure: Gravity feed

Fuel Type: E10, Battery technology

Emission Control

Air/Fuel Ratio Chosen: ?

Catalyst/Type: Heraeus

Secondary Air Injection?

Exhaust Gas Recirculation? Yes

Other:

Noise Control

Muffler Design: Cavity resonator

Noise Treatment:

Cooling

Describe Strategy:

Other Unique Features of Your Snowmobile

Describe Strategy: Hybrid