

2009 SAE Clean Snowmobile Challenge



CSC History

- Began in 2000 in response to conflicts over snowmobile use in Yellowstone N.P.
- A collegiate engineering design competition
- Moved to Michigan Tech/KRC in 2003
- NSF became a major sponsor in 2008
- In 2009, 17 teams competed (5 ZE)
- The winning ZE team is offered the chance to send one team member and their machine to Summit Station.

Polar Applications

- Allows atmospheric and snow photochemistry scientists to access their sampling sites with ZE machines.
- Several spin-offs on the IC side, including catalytic exhaust after-treatment and oxygenated fuel.
- ZE machines may well fit the needs of Alaskan villages, where fuel prices are exorbitant.

Emissions Testing



Acceleration Event



Subjective Handling



UAF - ZE

University of Wisconsin - Madison

