

Grading: Semester Project

Description of Problem 15 pts
Define user, end user or OEM, define objectives of user
Competition and existing products
Differentiation, what makes your product different?

Engineering Definition 25 pts
Define subcomponents of system
Free body diagram, dynamic and static loading
Define objective function for each component of system
(single parameter optimization)
Constraints defined with values

Materials 35 pts
Use and development of optimization function
Clear use of lines on charts with labels
Justification for elimination of any materials

Format 25 pts
Use of equation editor
Use of standard format from Web Page
Use of fonts from web page
Submission of readable electronic copy

Late Charge, the 2004 Clean Snowmobile Lesson!
One day late 3% of grade, 2 days, 6%, 3 days 18%,
4 days 54%, 5 days – not worth it.