

AME 30358 – Score Sheet

M8 – Driven Wheels

NDID#: _____

Please see the Deliverables section of the lab handout for more details.

Item and Description	Points Awarded	Possible Points
Technical writing and format – Please address all questions from the lab handout in the captions and paragraphs.		4
A plot with wheel radius r on the horizontal axis and motor torque τ on the vertical axis that illustrates the boundary between slip and stall for the immovable weighted sled		5
A plot of the average speed of the cart as a function of the non-dimensional average angular velocity of the motor for the movable sled with no weight		5
TOTAL		14

Technical Writing

- Include a brief, single-paragraph summary of the procedure.
- Discuss the results using college-level English.
- Address the suggested talking points at the end of the lab handout.
- Do *not* write a first-person narrative. Rather, write it as a declaration of objective observations, scientific facts, and logical deductions.

Guidelines for Deliverables

- Use a 12 point “serifed” font such as Times New Roman.
- Document should be double-spaced.
- Document should have 1” margins in all directions.
- Page numbers are required centered at bottom of screen with the same font as the rest of the document.
- Equations must be numbered.
- All variables must be italicized.
- All variables in equations must be defined (i.e. “where c is the speed of sound”).
- **Tables** should always be centered with captions *above* labeled Table 1, etc..
- **Tables** should have black text on white background with 12 point Times New Roman.
- **Tables** should have the text centered both horizontally and vertically.
- Theoretical curves should always be smooth and continuous.
- Captions should be the same font as the rest of the document.
- Do *not* use the * symbol to denote multiplication.
- No titles on graphs.

References – Tech memos must include at least one reference. These can be data sheets from the lab website, articles from the internet, the textbook, etc. References should follow the ASME format.

(<https://www.asme.org/shop/proceedings/conference-publications/references>)