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CATEGORY	Unacceptable (Below Standards)	Acceptable (Meets Standards)	Good (Occasionally Exceeds)	Excellent (Exceeds Standards)	SCORE
Introduction	Does not adequately convey topic. Does not describe subtopics to be reviewed. Lacks adequate thesis statement.	Conveys topic, but not key question(s). Describes subtopics to be reviewed. General thesis statement.	Conveys topic and key question(s). Clearly delineates subtopics to be reviewed. General thesis statement.	Strong introduction of topic's key question(s), terms. Clearly delineates subtopics to be reviewed. Specific thesis statement.	5 points
Focus & Sequencing	Little evidence material is logically organized into topic, subtopics or related to topic. Many transitions are unclear or nonexistent.	Most material clearly related to subtopic, main topic. Material may not be organized within subtopics. Attempts to provide variety of transitions.	All material clearly related to subtopic, main topic and logically organized within subtopics. Clear, varied transitions linking subtopics, and main topic.	All material clearly related to subtopic, main topic. Strong organization and integration of material within subtopics. Strong transitions linking subtopics, and main topic.	15 points
Support	Few sources supporting thesis. Sources insignificant or unsubstantiated.	Sources generally acceptable but not peer-reviewed research (evidence) based.	Sources well selected to support thesis with some research in support of thesis.	Strong peer-reviewed research based support for thesis.	15 points
Conclusion	Does not summarize evidence with respect to thesis statement. Does not discuss the impact of researched material on topic.	Review of key conclusions. Some integration with thesis statement. Discusses impact of researched material on topic.	Strong review of key conclusions. Strong integration with thesis statement. Discusses impact of researched material on topic.	Strong review of key conclusions. Strong integration with thesis statement. Insightful discussion of impact of the researched material on topic.	5 points
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web in chapter 2 we examined the stresses in thin walled cylinders subjected to internal pressure the assumption of thin walls allowed us to develop a simple analysis that ignored the variation of radial stress when the wall thickness becomes appreciable in proportion

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web oct 12 2011 if the cylinder walls are thin and the ratio of the thickness to the internal diameter is less than about then it can be assumed that the hoop and longitudinal stresses are constant across the thickness it may also be assumed that the radial stress is small and can be neglected

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web a fluid container sealed by a piston is open c in this case an external axial force f_a is mandatory for equilibrium of the overall piston and cylinder assembly a bicycle pump is a common example if a_i is the internal circular area then a free body of either piston or cylinder end c must have $f_a p_i a_i$ and there is no need for axial wall stresses to

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