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ACMA 4000 module.

Question 4

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(a) The cylinder would need to be as light as it can be while having a high yield strength. It would need to be non corrosive both internally and externally.

(b) Steel - high yield strength, density is ok.

Aluminium - This would be more favorable to me. The yield strength is acceptable, its non corrosive and it lightweight. It would be more expensive but a better fit for purpose.