

$$\text{Fuel additive cost} = \frac{\left( \begin{array}{l} \text{Amount of fuel additive} \\ \text{required per gallon of fuel} \end{array} \right) \times \left( \begin{array}{l} \text{Discounted} \\ \text{lifetime miles} \end{array} \right)}{\text{(Fuel economy of engine)}}$$

$$\times \left( \begin{array}{l} \text{Price of fuel additive} \\ \text{per gallon} \\ \text{of fuel additive} \end{array} \right)$$