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VEHICLE TECHNOLOGY M4X00344

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$$\textcircled{5} \textcircled{\text{iii}} \quad \text{Drag} = C_D \times \frac{1}{2} \rho V^2 \times A$$

$$= 0.67 \times \frac{1}{2} \times 1.223 \times 35^2 \times 1.1$$

$$= \underline{\underline{552.1 \text{ N}}}$$

$$\textcircled{\text{iv}} \quad C_oP = \frac{\text{Front Load}}{\text{Total Load}} \times 100$$

$$= \frac{1115}{2600} \times 100$$

$$= \underline{\underline{42.88\%}}$$