

$$\begin{aligned}
 \text{Leak rate} &= \frac{\text{pounds of refrigerant added}}{\text{pounds of refrigerant in full charge}} \times \frac{365 \text{ day/yr}}{\text{shorter of: \# days since refrigerant last added or 365 days}} \times 100\% \\
 (\% \text{ per year}) &
 \end{aligned}$$