$$C_t = \frac{\frac{P_{tf}}{T_{tf}}}{\left(\frac{P_t}{T_t} - \frac{P_{ti}}{T_{ti}}\right)\left(1 - \frac{99}{78} C_{N2}\right) - B_w} \frac{1}{r} \sum_{j=1}^{r} C_{tm(j)} \quad \text{Eq.25C-4}$$