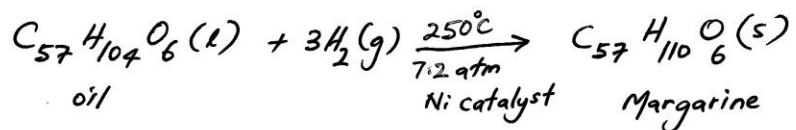


Q5. Hydrogenation of coconut oil will produce margarine.



13.0 kg of oil react with $2.81 \times 10^2 \text{ L}$ of hydrogen gas (7.2 atm at 250°C) and the reaction goes to completion.

What is the final pressure of H_2 and how many kilograms of margarine will be produced?

$$(R = 0.08206 \text{ L atm mol}^{-1} \text{ K}^{-1})$$

Prepared by
V. Manoharan
vmano@usm.my
manov1955@yahoo.com
04-6533888 ext 3566