Chromium Oxidation of Alcohols / Aldehydes

What you need to know:

$$R_2HC-OH \xrightarrow{H_2SO_4} R_2C=O$$

$$R_2HC-OH + HCrO_4$$
 \longrightarrow R_2C-OH $OCrO_3H$ \longrightarrow $R_2C=OH$ $OCrO_3H$ \longrightarrow $R_2C=OH$ $OCrO_3$

Mechanism written slightly differently according to various sources. You are NOT responsible for details, but FYI:

Alternate Mechanism: