**IRON CATALYST**: developed a catalyst formulation that loses less than 1% activity per week.

**COBALT**: rapid initial deactivation followed by period of slower deactivation.

**WAX/SLURRY SEPARATION**

**COBALT CATALYST**: no problem

**IRON CATALYST**: no problem with low molecular weight products. Severe problems with high molecular weight products because of catalyst attrition.

**IRON CATALYST ATTRITION**: defined mode as gradual erosion of surface rather than particle fracture.

---

(A) Scanning electron micrograph from the sample rolled for 24 hours. (B) Plot of fraction population versus particle size (μm). The solid curve is the fitted line using eq. (1).

Scanning electron micrograph from the sample rolled for 456 hours.