



$t_0$  - P.S. contactor opens

$t_1$  - DC Breaker opens @ 34.4 min, when magnet current has reached an acceptable low limit (500 to 2000 A).

$t_2$  - Approximate time for current to reach zero if DC breaker is not opened ( $\sim 76$  min)

**Solenoid Magnet Slow Discharge, followed by a Fast Dump**