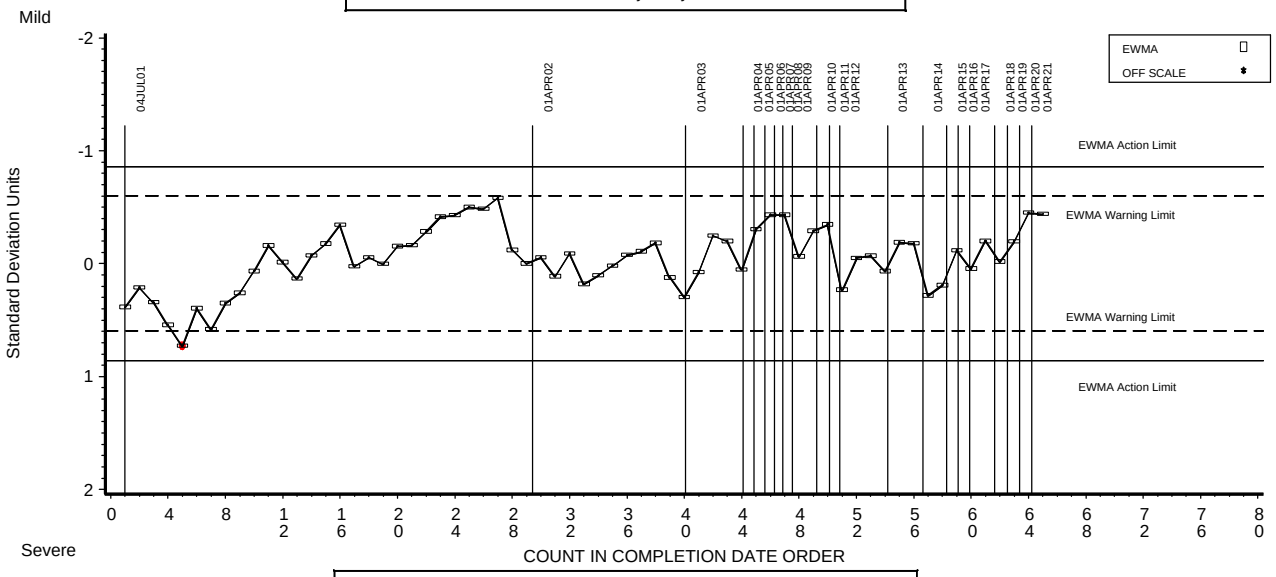
# CATERPILLAR 1R INDUSTRY OPERATIONALLY VALID DATA

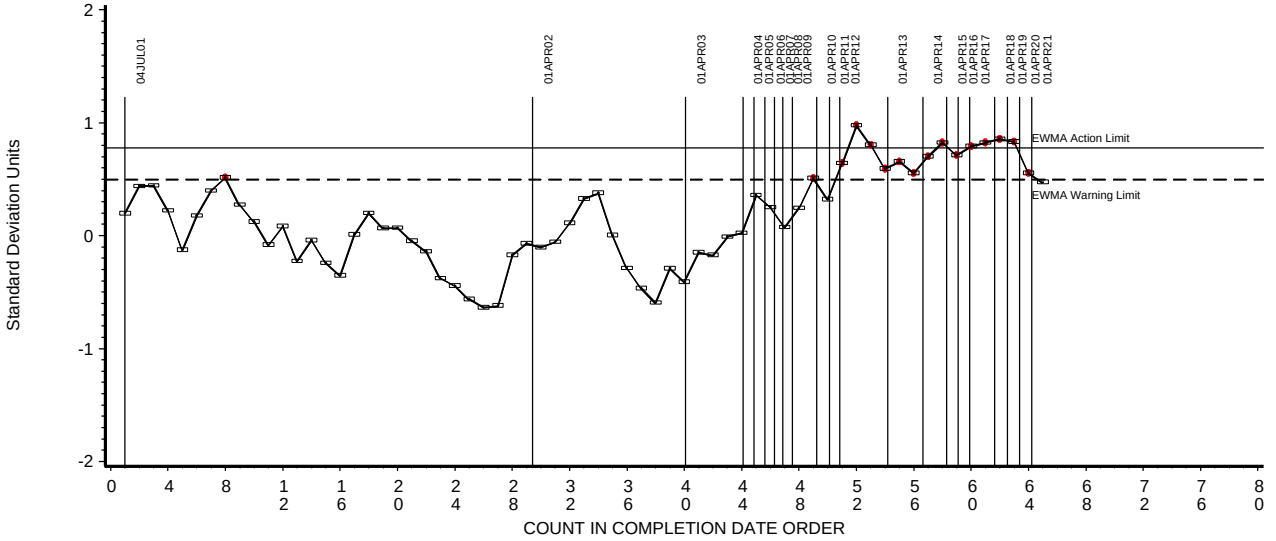
## FINAL TOP GROOVE CARBON (DEMERITS)

A Program of ASTM International

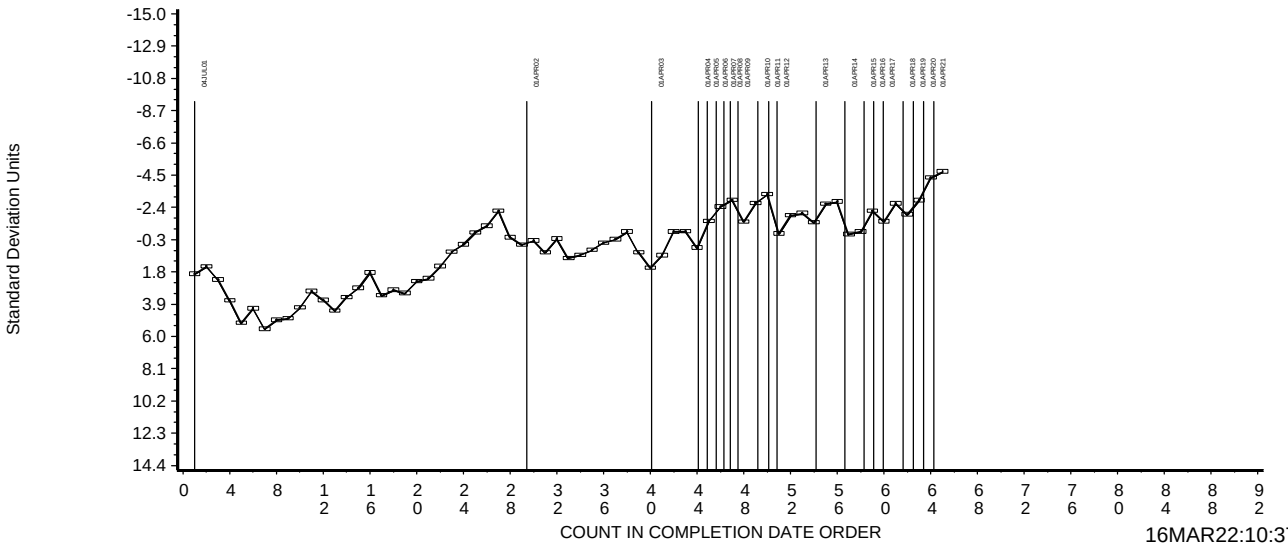
### LTMS Severity Analysis




### LTMS Precision Analysis




### CUSUM Severity Analysis

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