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## Mack T11

Surveillance Panel Meeting March 5, 2013

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All chartable 820-3 three tests and all 822 and 822-1 tests.

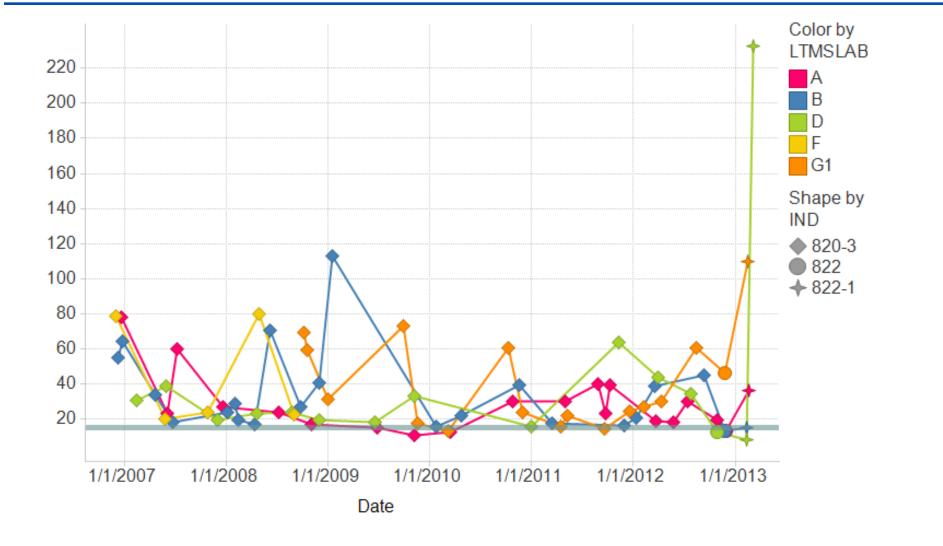
Original, with correction factors, and with severity adjustments.

Imputed values for tests not reaching 12 or 15 cSt

Simple EWMA :  $Z_i = 0.2 \text{ x result} + 0.8 \text{ x } Z_{i-1}$ 

Fitted linear model: result = f(lab,oil)

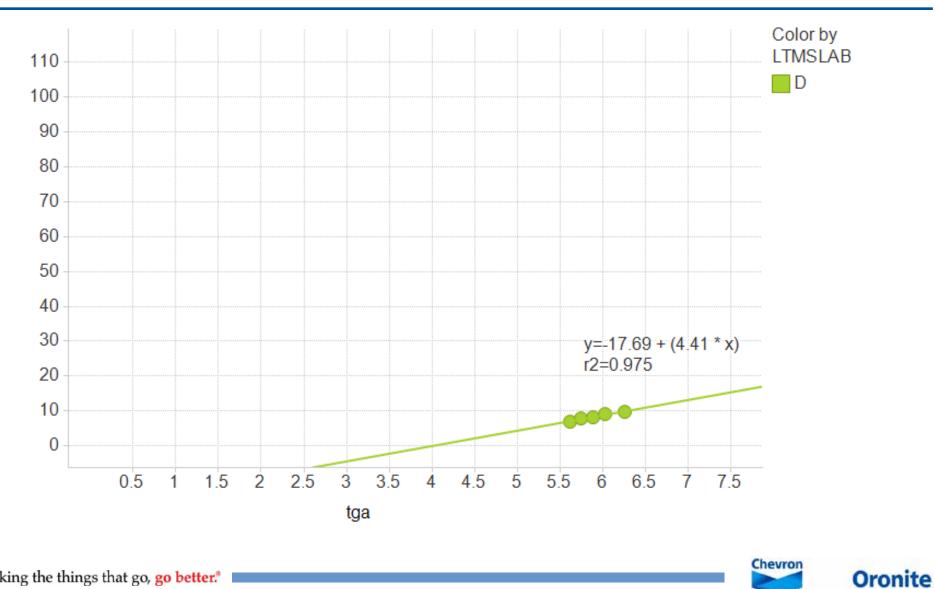


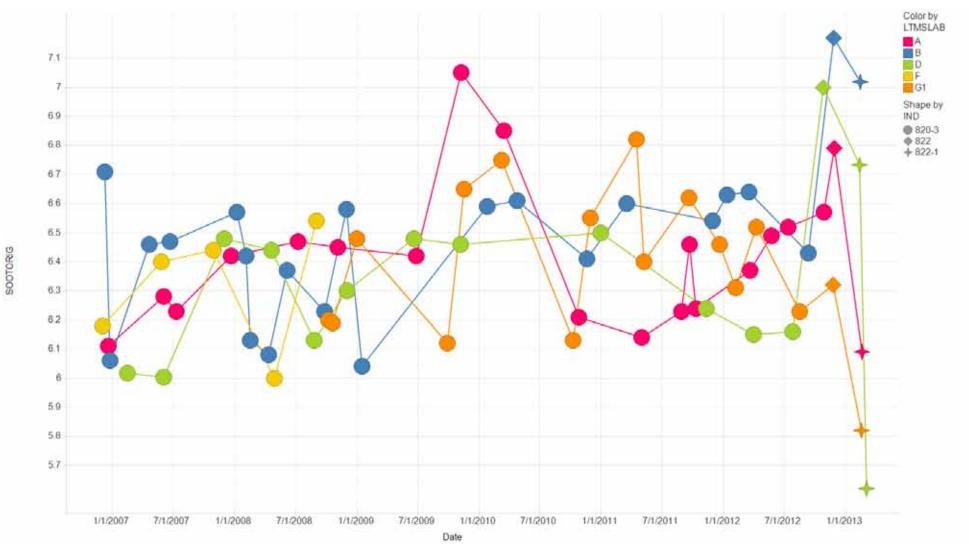


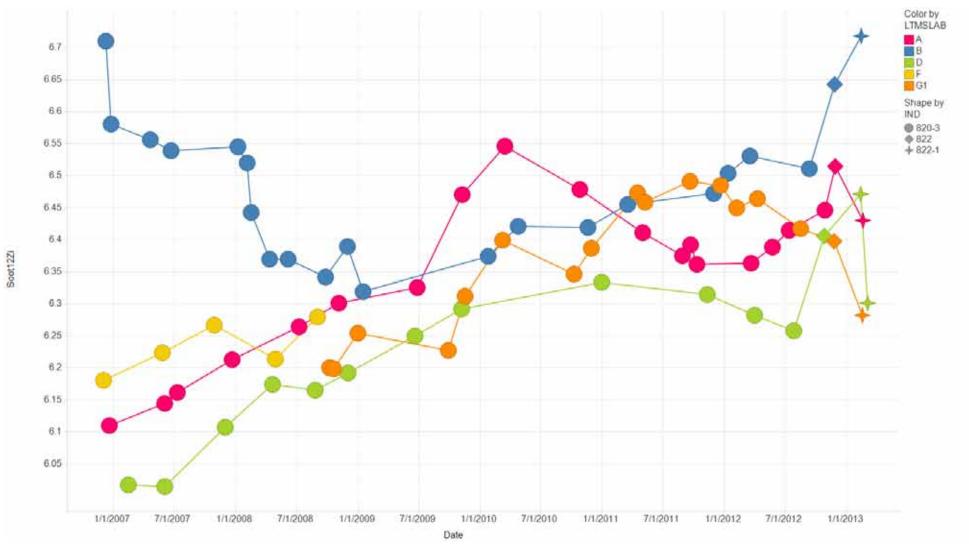
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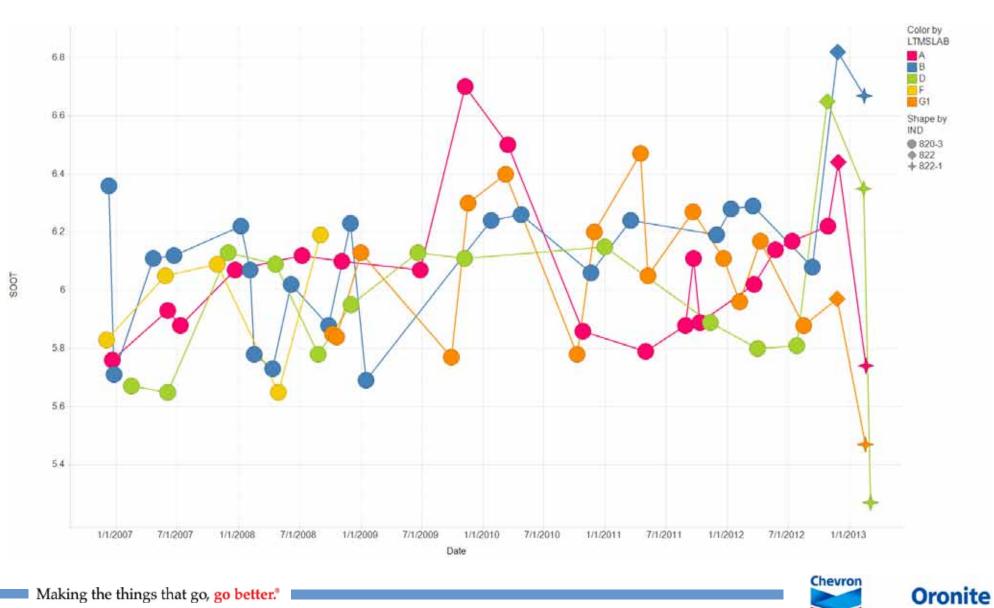


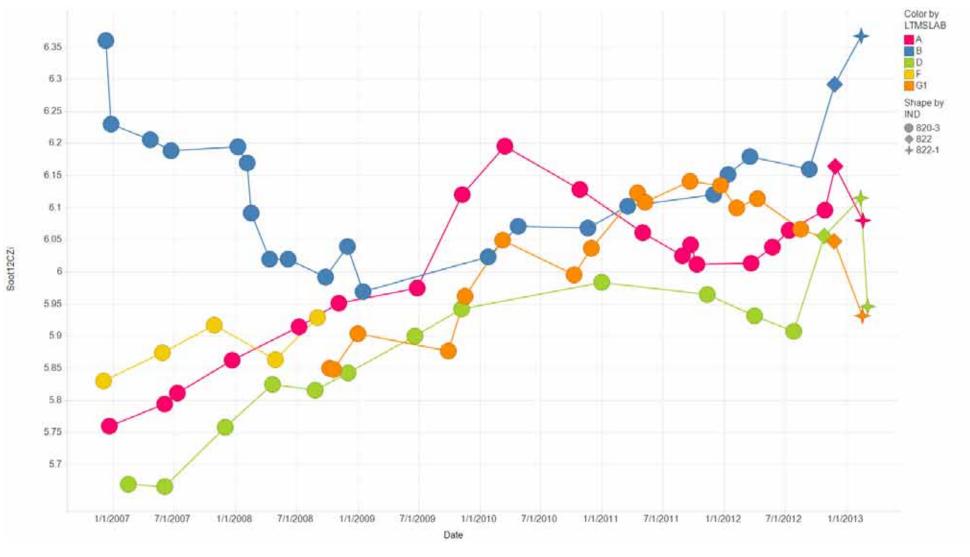








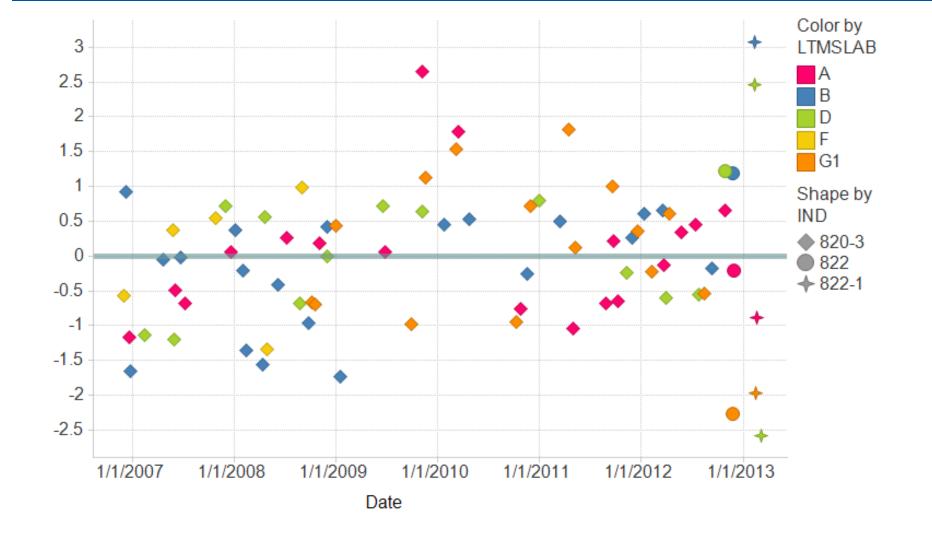






Color by LTMSLAB 6.6 А 6.4 В D F 6.2 G1 Shape by 6 IND Soot12SA 820-3 822 5.8 822-1 5.6 5.4 5.2 1/1/2007 1/1/2008 1/1/2009 1/1/2010 1/1/2011 1/1/2012 1/1/2013 Date Chevron Oronite Making the things that go, go better.

Color by LTMSLAB 6.35 6.3 A 6.25 В D 6.2 F G1 6.15 Shape by 6.1 IND 6.05 Soot12SAZi 820-3 **822** 6 ♦ 822-1 5.95 5.9 5.85 5.8 5.75 5.7 1/1/2007 1/1/2008 1/1/2009 1/1/2010 1/1/2011 1/1/2012 1/1/2013 Date Chevron Oronite



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