




Test Monitoring Center

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MEMORANDUM: 07-014

DATE: April 16, 2007

TO: Ed Callis, Chairman, ASTM Section D02.B0.06

FROM: Richard E. Grundza 

SUBJECT: Two-Stroke Cycle Reference Test Status from October 1, 2006 through March 31, 2007

Status

RING STICKING (D 4857)

One reference oil result was reported from one laboratory during the period ending March 31, 2007. Figures 1 and 2 plot the summation delta/s for Second Ring Sticking and Piston Skirt Varnish of both the calibration attempts and the reference oil results obtained with reference oil 606, run to evaluate the performance of non-reference oils. Figure 1 shows severity on or near target for the period. The target values used for plotting purposes are the mean values used to generate the correction factor to be applied to reference oil 606, when run for non-reference oil evaluation. Figure 2 plots the summation delta/s for Piston Skirt Varnish for the period ending March 31, 2007. Figure 2 shows Piston Skirt Varnish to be on or near target.

LUBRICITY TEST (D 4863)

There were no tests reported to the Test Monitoring Center during the period ending March 31, 2007.

PREIGNITION TEST (D 4858)

There were no tests reported to the Test Monitoring Center during the period ending March 31, 2007.

Summary

Results with Test Method D 4857 showed Second Ring Sticking and Piston Skirt Varnish on or near target.

REG/reg

Attachments

c: F. M. Farber, TMC

J. L. Zalar, TMC

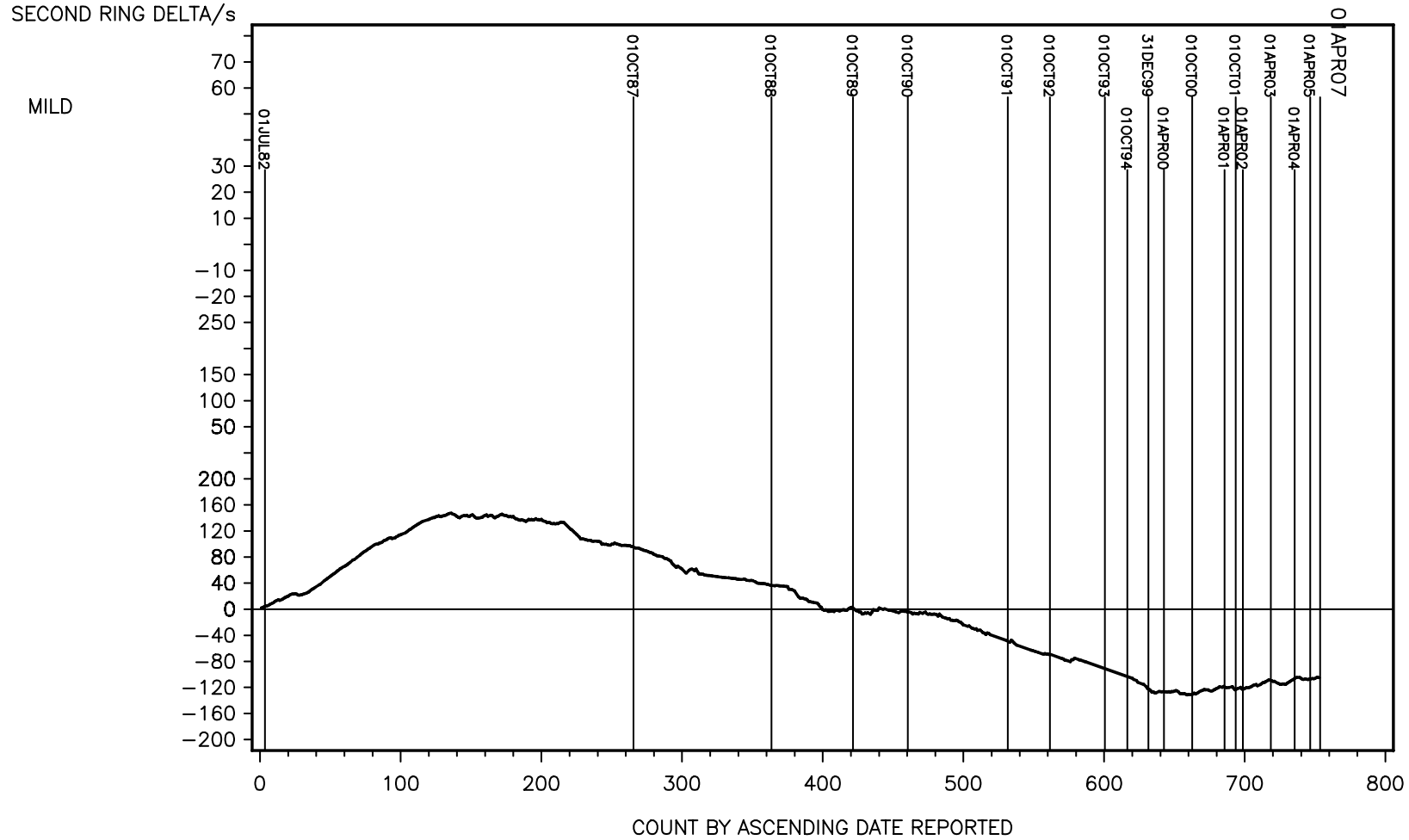
Two-Stroke Cycle Mailing List

<ftp://ftp.astmtmc.cmu.edu/docs/gas/tc/semiannualreports/tc-04-2007.pdf>

Distribution: Email

FIGURE 1

TWO-STROKE-CYCLE
RING STICKING TEST (D 4857)
CUSUM PLOT OF SECOND RING STICKING
FOR ALL REPORTED CANDIDATE AND REFERENCE TESTS

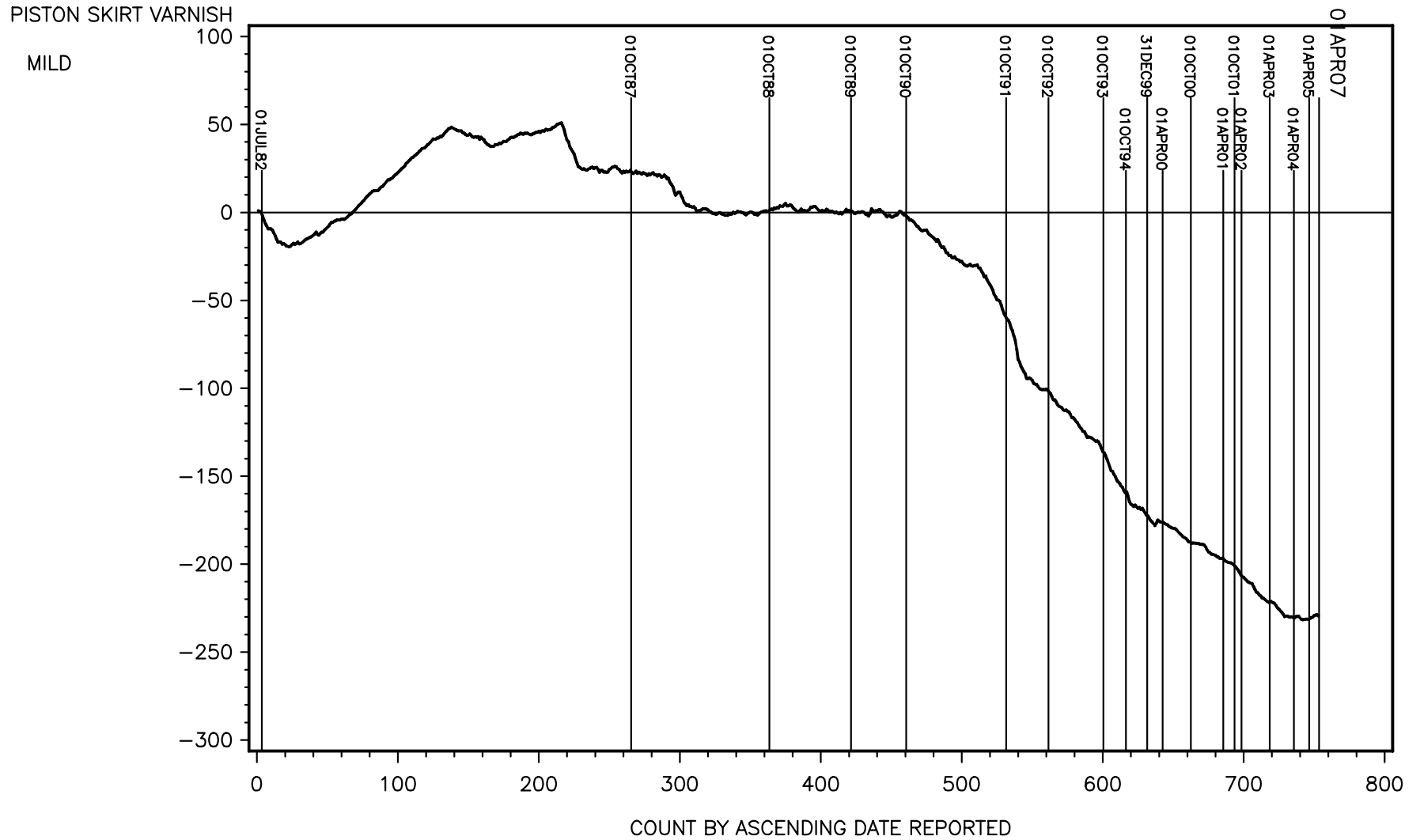


Test Targets Based on Data Reported Prior to 10/16/90 for Reference Oil 600
Tests Targets for Reference Oil 606 is the Mean of the Data Used to Develop the Correction Factor

SEVERE

FIGURE 2

TWO-STROKE-CYCLE
RING STICKING TEST (D 4857)
CUSUM PLOT OF PISTON SKIRT VARNISH
Using Updated Targets After 4/1/00



TEST TARGETS BASED ON DATA REPORTED PRIOR TO 10/16/90 for Reference Oil 600
Tests Targets for Reference Oil 606 is the Mean of the Data Used to Develop the Correction Factor

SEVERE