



Test Monitoring Center

6555 Penn Avenue
Pittsburgh, PA 15206-4489
(412) 365-1000

MEMORANDUM: 05-077

DATE: October 18, 2005

TO: Wim van Dam, Chairman, Mack Test Surveillance Panel

FROM: Jeff Clark

SUBJECT: T-8 Reference Testing for the October 2005 ASTM Report Period

The following is a summary of T-8 reference oil tests that were completed during the October 2005 ASTM period, which began April 1, 2005 and ended September 30, 2005.

The following table summarizes the status of the reference oil tests completed this ASTM report period:

Test Description	TMC Validity Code	Number of Tests
Operationally and Statistically Acceptable	AC	1
Failed Acceptance Criteria	OC	0
Operationally Invalid	LC	0
Aborted	XC	0
Total		1

Severity and Precision:

Figure 1, 2, and 3 (attached) show the current industry severity and precision EWMA control charts and the industry cusum chart for viscosity increase at 3.8% soot (VI38), relative viscosity at 4.8%, 50% loss (RV48), and relative viscosity at 4.8%, 100% loss (RV2). While the low level of test activity prevents any meaningful commentary on severity trends, it should be noted that both VI38 and RV48 are both in an industry warning alarm for severity, in the mild direction.

Since testing frequency is low, an estimate of precision will not be presented.

Reference Oils:

The table below shows the current reference oil test targets.

Parameter	Reference Oil	N	Mean	S
VI38	1004-3	30	4.57	0.90
RV48			2.07	0.26
RV2			2.21	0.27

Information Letters:

No information letters were issued this ASTM period.

Laboratory Visits:

No TMC laboratory visits were conducted this ASTM period.

Additional Information:

The T-8 industry database, LTMS plots, industry alarm log, and timeline may all be accessed from the TMC home page at www.astmtmc.cmu.edu.

JAC/jac/mem05-077.jac.doc

Attachments

c: J.L. Zalar, TMC
F.M. Farber, TMC
Mack Test Surveillance Panel
<ftp://ftp.astmtmc.cmu.edu/docs/diesel/mack/semiannualreports/t8-10-2005.pdf>

Distribution: Email

Figure 1

T-8/T-8E INDUSTRY OPERATIONALLY VALID DATA

VISCOSITY INCREASE AT 3.8% SOOT

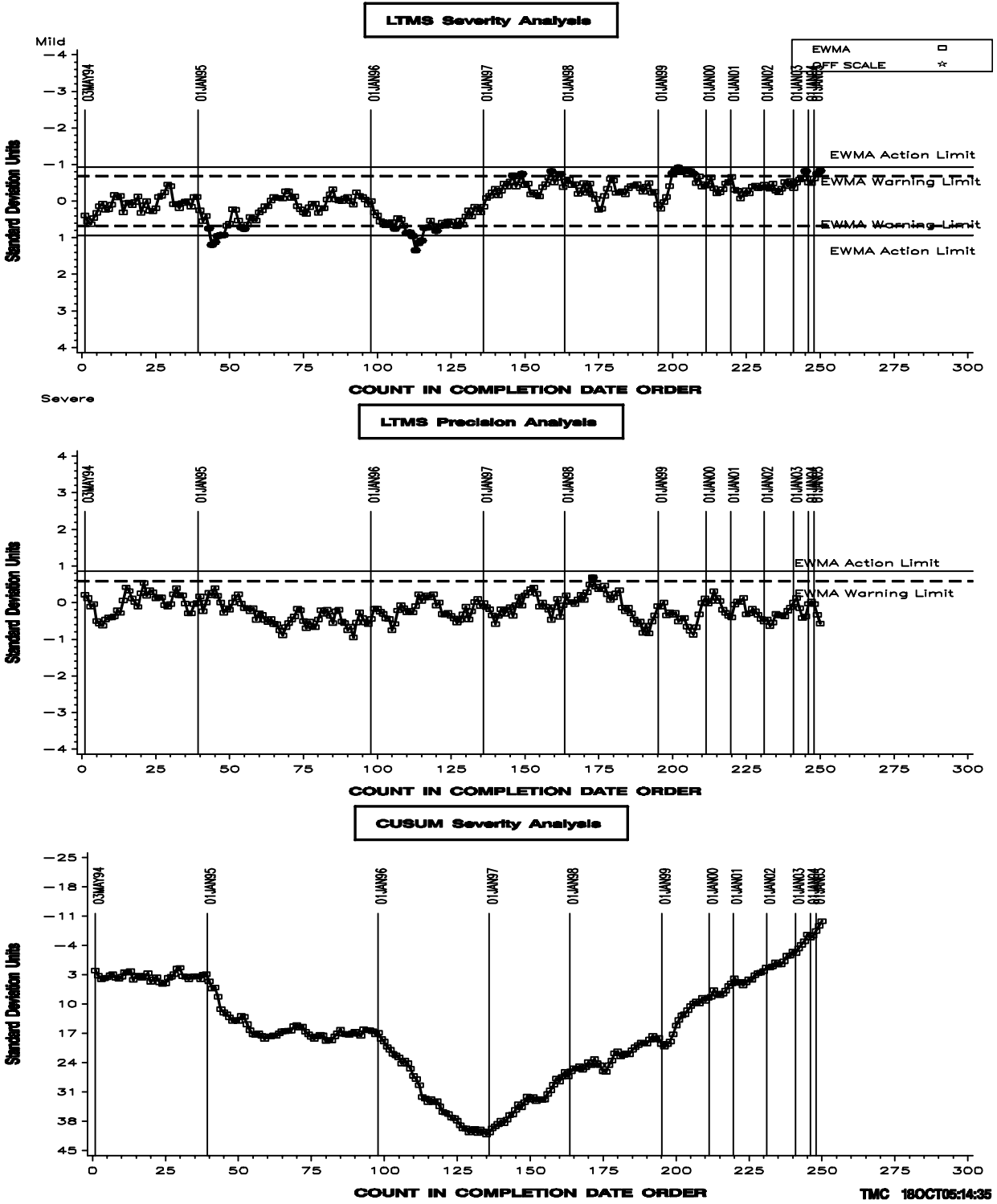


Figure 3 T-8/T-8E INDUSTRY OPERATIONALLY VALID DATA

REFERENCE RELATIVE VISCOSITY AT 4.8% (100% LOSS)

