

MEMORANDUM:	01-015
DATE:	February 7, 2001
TO:	Gordon Farnsworth, Chairman, Sequence V Surveillance Pane
FROM:	Richard E. Grundza
SUBJECT:	Sequence VG Reference Oil Status Report for January, 2001

Three operationally valid Sequence VG tests were completed during the month of January, 2001. These tests are tabulated below. Table 1 summarizes all operationally valid calibration tests completed during January. Table 2 summarizes all operationally valid data completed between August 1, 2000 and January 31, 2001. Table 3 lists the Average Δ /s by Laboratory and Industry of tests completed during January. Table 4 lists the industry action alarms observed during the months of January.

Remarks:	No. of Tests
Operationally Valid and Statistically Acceptable	2
Operationally Valid, Failed Acceptance Criteria	<u>1</u>
TOTAL	3

Figures 1 through 5 show the Industry Control Charts and plots of summation Δ /s for AES, AEV, APV, OSCR and RAC for all operationally valid reference tests completed through January 31, 2001.

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Attachments

c: Sequence V Surveillance Panel Sequence V Test Engineers ftp://www.tmc.astm.cmri.cmu.edu/docs/gas/sequencev/memos/memo01-015

			TA	BLE 1		PAGE 1		
SEQUENCE VG								
	OPERATIONALLY VALID DATA							
	TEST DATA	COMPLETED	FROM JANUA	RY 1, 2001	THROUGH JA	NUARY 31, 20	01	
OIL	DATE	SLUDG	Ε	VARNIS	SH	OTH	ER	
CODE	COMPLETED	RAC	AES	APV	AEV	OSCR	HSTR	
1007	20010122	8.48	8.77	8.60	9.31	0.00	0.00	
	20010120	7.26*	7.60*	8.10*	9.01*	14.00*	0.00	
925-3	20010120	7.02	5.68	7.30	8.70	80.00	0.00	
* = FAILED ACCEPTANCE CRITERIA								

02/07/01 VGMONTHLY.SAS

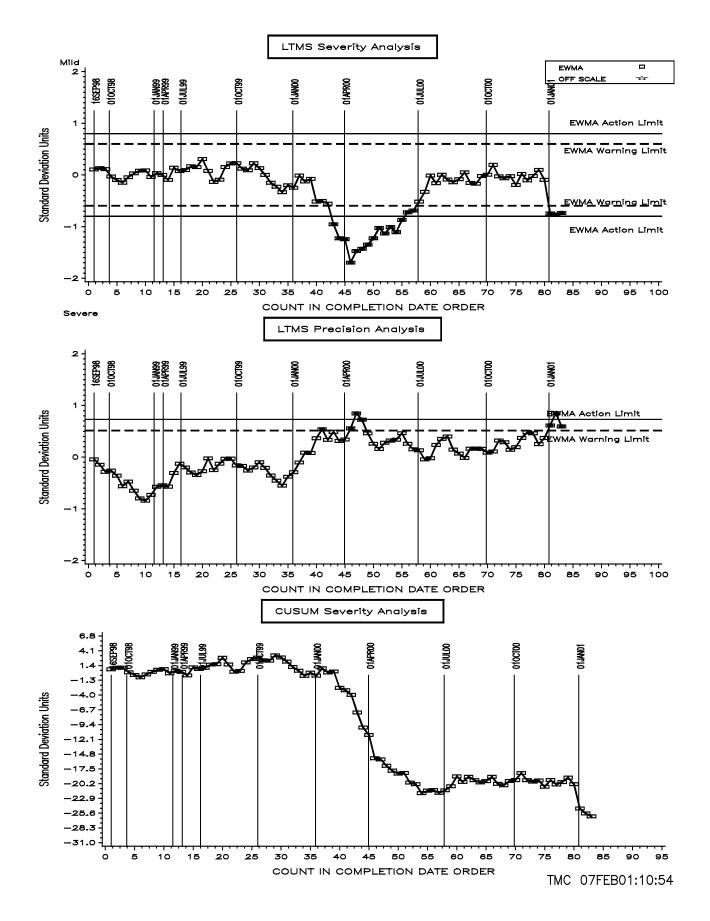
TABLE 2PAGE 3SEQUENCE VG							PAGE 1
OIL CODE	DATA FROM AUGUST 1,					ORTED	RANGE
1006	RAC (MERITS*) AES (MERITS*) Avg. Pist. Varnish Avg. Eng. Varnish OSCR (ln(OSCR+1)) OSCR (% Area)	8			8.870 7.920 8.320 9.170 0.693 1.000	TO TO TO TO TO TO	9.560 9.060 8.710 9.410 3.045 20.01
1007	RAC (MERITS*) AES (MERITS*) Avg. Pist. Varnish Avg. Eng. Varnish OSCR (ln(OSCR+1)) OSCR (% Area)	7	8.636 8.626 8.483 9.210 0.940 1.560	0.495	7.260 7.600 8.100 9.010 0.000 0.000	TO TO TO TO TO	9.120 9.170 8.720 9.330 2.708 14.00
925-3	RAC (MERITS*) AES (MERITS*) Avg. Pist. Varnish Avg. Eng. Varnish OSCR (ln(OSCR+1)) OSCR (% Area)	6	6.150 7.365	0.269	6.650 5.450 6.980 8.060 2.485 11.00	TO TO TO TO TO	7.920 7.460 7.850 8.830 4.615 100.0
(02/07/01						

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			Table 3			
			Sequence VG	ŕ		
		Ave	rage Δ/s by Lab	oratory		
Laboratory	N Size	AES	RAC	AEV	APV	OSCR
Α	2	-0.725	-1.428	0.699	-0.016	-0.591
В	1	-4.433	-4.220	-2.556	-2.938	2.834
D	-	-	-	-	-	-
E	-	-	-	-	-	-
G	-	-	-	-	-	-
Industry	3	-1.961	-2.358	-0.386	-0.990	0.551

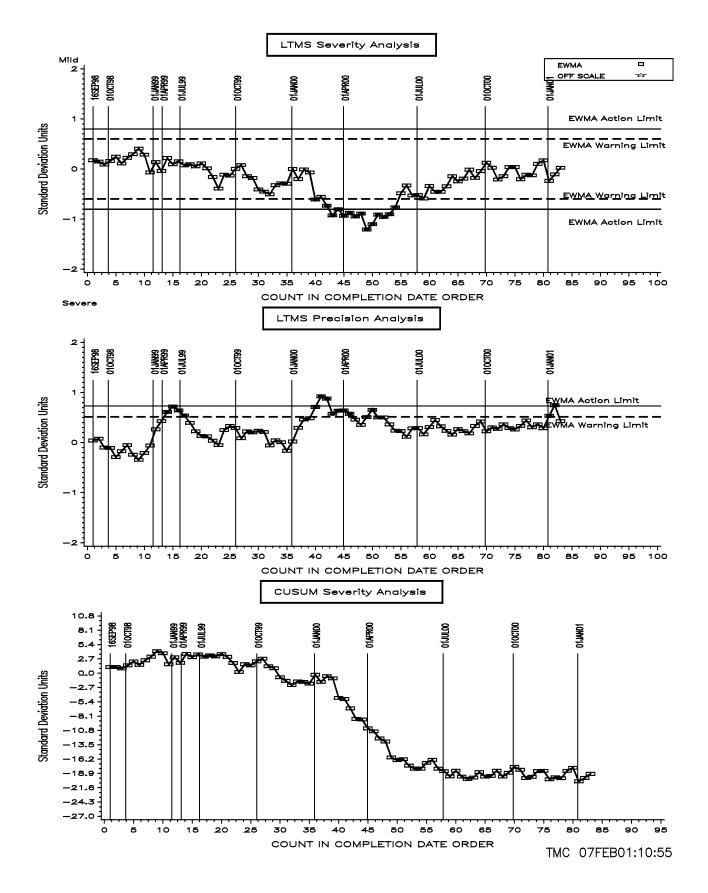
Table 4Sequence VGSummary of Industry Action Alarms, Month of January, 2001

Date	Oil Code	Parameter	Alarm Type	Alarm Value	Alarm Limit
20010120	1007	RAC	ZI ACTION	-1.069	± 0.800
20010120	925-3	RAC	ZI ACTION	-1.150	± 0.800
20010120	925-3	AEV	QI ACTION	0.747	+0.732
20010120	925-3	AES	QI ACTION	0.850	+0.732
20010122	1007	RAC	ZI ACTION	-1.164	± 0.800

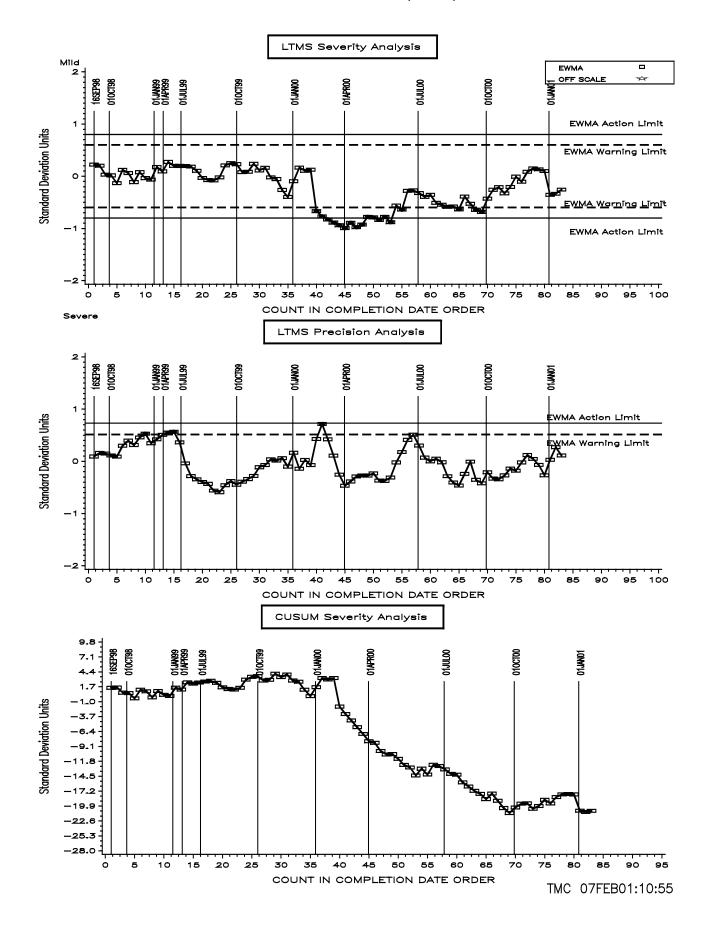
AVERAGE ENGINE SLUDGE



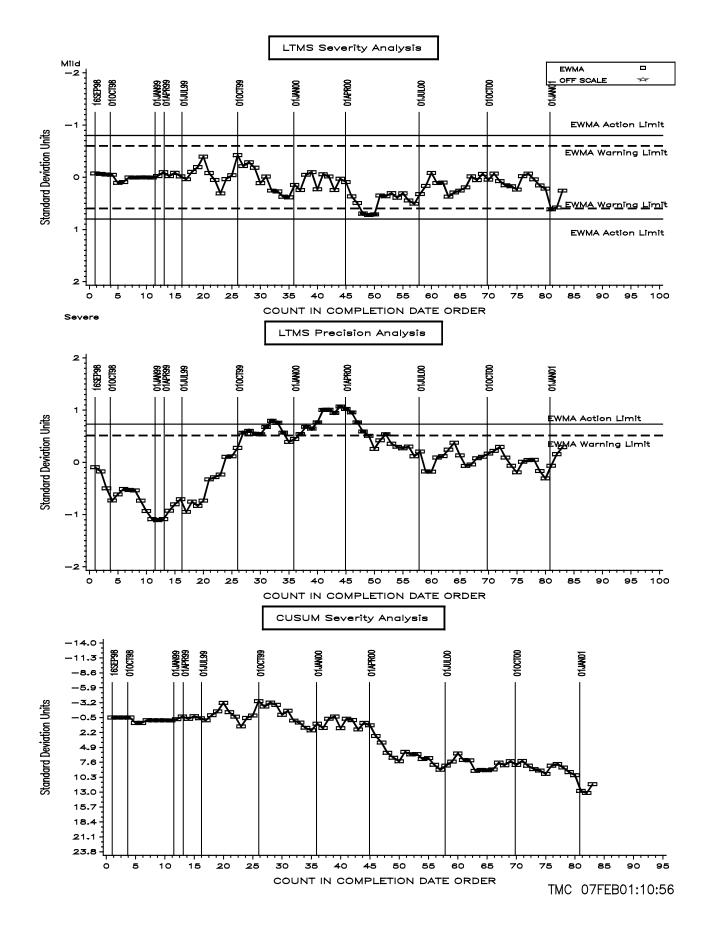
AVERAGE ENGINE VARNISH 3-PART FINAL RESULT



AVG PISTON SKIRT RATING (MERITS)



OIL SCREEN SLUDGE



AVERAGE ROCKER COVER SLUDGE

