Attachment 3
ENGINE FAMILY DATA PER QUARTER FILE

Sequence	Data Name	Type	Length	Range or Domain	Description
1	QTR	C	3	101 = Jan-Mar 2001 201 = Apr-Jun 2001 301 = Jul-Sep 2001 401 = Oct-Dec 2001	First Digit = Quarter Number Second and Third Digit = Last two digits of calendar year
2	ENGFAM	C	12	Example: 1XYZS.072ABC	12-digit engine family name used at certification
3	TESTFUEL	C	3	IND = Indolene PH2 = Phase 2 Gasoline CNG = Comp. Natural Gas (cert.grade) LPG = Liq. Petroleum Gas (cert.grade) OTH = Other	Type of fuel used for emission testing of this engine family
4	RUNIN	N	3.2	Example: 10.25 hours Range: 0.00 to 999.99 hours	Breakin time (in hours) used for this engine family including preconditioning
5	STARTUP	D	10	Example: July 20, 2000 = 2000/07/20 format: year/month/day	Start date of production for this engine family. Report every quarter after start up.
6	BUILDOUT	D	10	Example: July 20, 2001 = 2001/07/20 format: year/month/day	Engine family build-out date; date of the end of the manufacturer's production. Leave blank until production ends
7	CADISTR	N	6	Example: 52500 Range: 0 to 999999	Number of engines produced for California this quarter
8	PRODSIZE	N	7	Example: 700500 Range: 0 to 9999999	Total number of engines produced this quarter for the engine family
9	SAMPLOPT	C	3	CSM = CumSum 1% = Quality Audit R1% = Reduced 1% QA ALT = Alternate method	Sample option method: cumsum, 1% QA, 1% reduced testing option or alternate method approved by the ARB
10	SAMPSIZE	N	3	ex. 5 Range: 0 to 999	Number of engines tested this quarter
11	REQSAMP	N	3	Example: 8 Range: 0 to 999	Test sample required for engine family for model year as of the end of the quarter
12	HCNOXMN	N	3.3	ex. 10.315 Range: 0.000 to 999.999	HCNOX mean (in g/kw-hr) for the quarter for QA testing or accumulatively for cum sum without DFs applied
13	HCNOXSD	N	2.3	Range: 0.000 to 99.999	HCNOX standard deviation (in g/kw-hr) quarterly for QA testing or accumulatively for cum sum without DFs applied
14	COMN	N	3.3	ex. 10.816 Range: 0.000 to 999.999	CO mean (in g/kw-hr) for the quarter for QA testing or accumulatively for cum sum without DFs applied
15	COSD	N	2.3	Range: 0.000 to 99.999	CO standard deviation (in g/kw-hr) quarterly for QA testing or accumulatively for cum sum without DFs applied
16	HCNOXMNWDF	N	3.2	ex. 10.32 Range: 0.00 to 999.99	HCNOX mean with DF applied for the quarter for 1% testing or accumulatively for cumsum
17	HCNOXSDWDF	N	2.2	Range: 0.00 to 99.99	HCNOX standard deviation with DF applied for the quarter for 1% testing or accumulatively for cumsum
18	CS_HCNOX	N	3.2	Range: 000.00 to 999.99	Cum sum statistic for HCNOx from final audit test for the quarter using engine test results with DF applied, as applicable
19	HCNOX_H	N	3.2	Range: 0.00 to 999.99 H Limit = 5 x (standard deviation)	Action Limit for HCNOx from final engine test for the quarter
20	COMPLY	C	6	1%FAIL = 1%: minimum of 10 tests averaged has failed CSFAIL = Cumsum: 2 sequential action limit exceedances PASS = Compliant	Indicate if engine family is in compliance or is noncompliant as a result of testing this quarter
21	SMP_PROC	C	1	Y = Yes, sampling plan has changed N = No, sampling plan has not changed	Indicate if the process to obtain engines on a random basis has changed

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