

Obs	effective_date	info_letter_number	event
1	19891002		START OF 1K TESTING
2	19900506		FIRST TEST FOR 1K CALIBRATION
3	19901215		FIRST USE OF 811-1
4	19910220		FIRST USE OF 810-1
5	19910407		LAST USE OF 811
6	19910710	2	INDUSTRY CORRECTION FACTORS FOR CANDIDATE TESTING
7	19910723		LAST USE OF 810
8	19910816		FIRST USE OF 809-1
9	19910927	1	INFORMATION LETTER 1 - REWRITTEN PROCEDURE
10	19911015	3	COOLING SYSTEM MODIFICATION
11	19911015	3	COOLANT BYPASS VALVE
12	19911015	3	CYLINDER LINER WEAR MEASUREMENT DEVICE
13	19911015	3	TEST FUEL NAME CHANGE
14	19911015	3	REPORT FORMS
15	19920601	4	CLOSED COOLING SYSTEM
16	19920601	4	PISTON PACKAGING FOR REFEREE RATING
17	19920601	4	MINERAL FREE WATER - DEFINITION
18	19920601	5	FLUSHING CART FLOW DIAGRAM
19	19920731	6	TEMPERATURE; PRESSURE AND SPEED STANDARD CALIBRATION TRACEABILITY
20	19920731	6	HUMIDITY MONITORING SYSTEM
21	19921015	7	FUEL INJECTION PUMP TIMING USING THE BUBBLE METHOD
22	19921015	7	PISTON RATER CALIBRATION
23	19921015	7	OIL SAMPLING FREQUENCY FOR USED OIL ANALYSIS
24	19930324	8	INTERNAL ENGINE PAINT AND SUPPLIER
25	19930702	9	CATERPILLAR BRAND COOLANT
26	19930708	10	PROCEDURE DISCLAIMER
27	19930708	10	CYLINDER HEAD COOLANT PASSAGE CLEANING
28	19930708	10	CRANKCASE PRESSURE INCREASE DURING BLOWBY MEASUREMENT
29	19930708	10	ACCEPTABLE CYLINDER HEAD/JUG ASSEMBLIES
30	19930708	10	RING GAP MEASUREMENT - FEELER GAUGES/TAPER GAUGE
31	19930708	10	PISTON POSITION DURING DOWNTIME
32	19930708	10	OIL CONSUMPTION CALCULATIONS
33	19930708	10	OIL CONSUMPTION CALCULATION AFTER SHUTDOWN
34	19930708	10	MISSING OR BAD TEST DATA

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35	19930708	10	TYPOGRAPHICAL ERROR IN TABLE A12
36	19940101	11	TEST RUN NUMBERING
37	19940101	11	PISTON PHOTOGRAPHS
38	19940101	11	USE OF AN ALIGNMENT FIXTURE IN P-TUBE AIMING
39	19940101	11	LOCATION OF LINER SURFACE FINISH MEASUREMENTS
40	19940101	11	LOCATION OF LINER BORE DIAMETER MEASUREMENTS
41	19940101	11	ENGINE ROTATION SPEED DURING FLUSHING
42	19940101	11	ACCEPTABLE CYLINDER LINER PART NUMBERS
43	19940101	11	CALIBRATION FREQUENCY
44	19940102		CATERPILLAR COOLANT DEADLINE
45	19940301	12	OUTLIERS AS A TEST VALIDITY CRITERIA
46	19940301	12	INSTRUMENTATION CALIBRATION TOLERANCES AND TIME CONSTANTS
47	19940316	13	FUEL DILUTION AS AN OPERATIONAL VALIDITY CRITERION
48	19950403		LAST USE OF 809
49	19950531		LAST NON-DISCRIMINATION RUN ON 810-X
50	19950907		FIRST LTMS TEST
51	19960510	96-1	1K/1N DATA DICTIONARY AND REPORT FORMS (VERSION=19960304)
52	19960913	96-2	BETA TESTED 1K/1N DATA DICTIONARY AND REPORT FORMS (VERSION=19960913)
53	19961217		FIRST 810-X DISCRIMINATION RUN
54	19970320	97-1	USE OF LOW SULFUR FUEL FOR THE 1N TEST
55	19970320	97-1	ADDITION OF END OF TEST OIL CONSUMPTION (EOTOC) AS A REPORTED PARAMETER
56	19970320	97-1	ENGINE PARTS WARRANTY CLAIM PROCEDURE CHANGE
57	19970320	97-1	LTMS REQUIREMENTS FOR CALIBRATION
58	19970320	97-1	CLARIFICATION OF SPECIFICATION FOR HUMIDITY CALIBRATION
59	19970320	97-1	CLARIFICATION OF WHEN REFEREE RATINGS ARE REQUIRED
60	19970320	97-1	ADDITION OF DATA DICTIONARY AND REPORT FORMS TO THE PROCEDURE
61	19970320	97-1	TEST REPORTING DEADLINES
62	19970320	97-1	EXAMPLES FOR SEVERAL OF THE REPORT FORMS
63	19980101	98-1	FUEL SUPPLIER NAME CHANGE
64	19980101	98-1	FUEL SAMPLING REQUIREMENTS
65	19980101	98-1	REVISED ENGINE PARTS WARRANTY PROCEDURE & FORM
66	19980101	98-1	810-2 DISCRIMINATION RUNS RETURNED TO LTMS/CAL RUNS, CAL PD = 1YR
67	19980828	98-2	RATING WORKSHEET ADDED TO TEST REPORT AS FORM 4A

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68	19981111	98-3	ADDED AREAS FOR CLEAN TO RATING SHEETS 5 & 5A
69	19990419	99-1	TEST STAND INSTRUMENTATION CALIBRATION REQUIREMENTS
70	19990419	99-1	COOLANT SYSTEM FLUSHING REQUIREMENTS
71	19990419	99-1	UPDATED INTAKE AIR FILTER REQUIREMENTS
72	19990419	99-1	VISUAL INSPECTION OF INTAKE AIR BARRELS
73	19990419	99-1	RE-CALIBRATION REQUIREMENTS WHEN CRANK IS REMOVED
74	19990419	99-1	USE OF MOBIL EF-411 AS BUILD-UP/FLUSHING OIL
75	19990419	99-1	TIME ZONE FOR USE IN EOT REPORTING
76	19990419	99-1	EDITORIAL
77	20000101	00-1	810-X RUNS WILL OCCUR VOLUNTARILY ONCE PER YEAR
78	20020321	02-1	1K/1N DATA DICTIONARY AND REPORT FORMS (VERSION=20020107)
79	20030324		FIRST 811-2 TEST
80	20040223	04-1	1K/1N DATA DICTIONARY AND REPORT FORMS (VERSION=20040205) DD AND FORMS SEPARATED FROM THE STANDARD
81	20050321	04-1	VARIOUS 1N RELATED ITEMS AND EDITORIAL CHANGES
82	20050616		FIRST 1Y-3998 LINER TEST
83	20060617		FIRST SDTF2 FUEL TEST
84	20090609	09-1	Corrected tolerance for top ring end gap clearance.
85	20090824	09-2	Correction to 1K/1N cylinder liner requirements.
86	20090824	09-2	Removal of requirement to provide hardcopy test report.
87	20100309	10-1	Note regarding oil pressure limits for vis grades other than 15W-40