

PERFORMANCE TESTS

Caterpillar 1R (continued)

STATUS:

When the earlier attempt to maintain the 1Q test as a viable test procedure failed, the “PC-9 Back-Up Test Task Force” recommended that the 1Q test should be replaced with the 1R test. The 1R test is essentially a 1Q test run without EGR, but with lower inlet air temperature and slightly revised injection timing.

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10/01

At the October 16 HDEOCP meeting the 1R test and proposed pass/fail limits were endorsed to go forward to a subcommittee B ballot to revise ASTM D4485.

Pass / Fail targets:

	First Test	Two Test Avg.	Three Test Avg.
WDR, max	382.0	396.0	402.2
TGC %, max	52	56.7	58.7
TLC %, max	31	34.8	36.5
Initial O.C. g/h max	13.1	13.1	13.1
Final O.C. g/h max	IOC+1.8	IOC+1.8	IOC+1.8
Scuffing	None		
Ring sticking	None		

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10/01

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