
1Q Test Report for PC-9

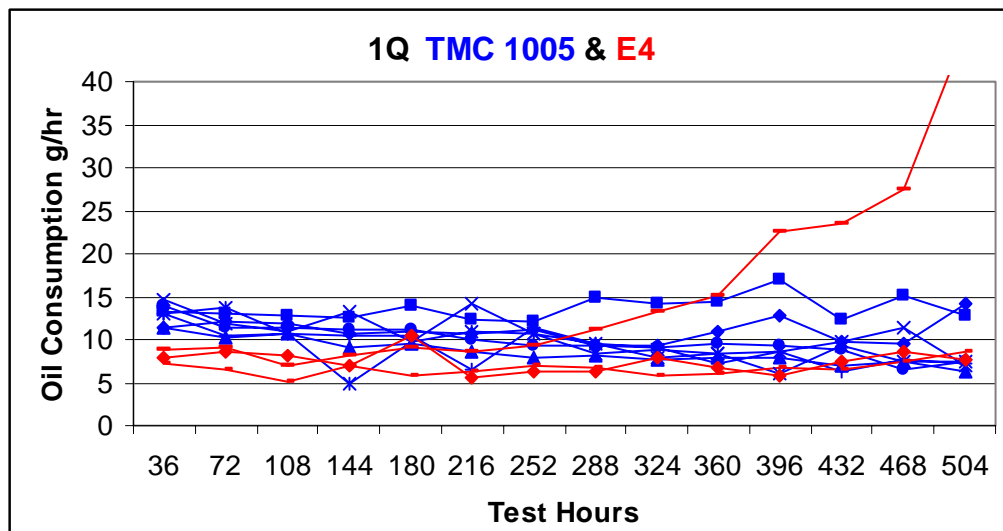
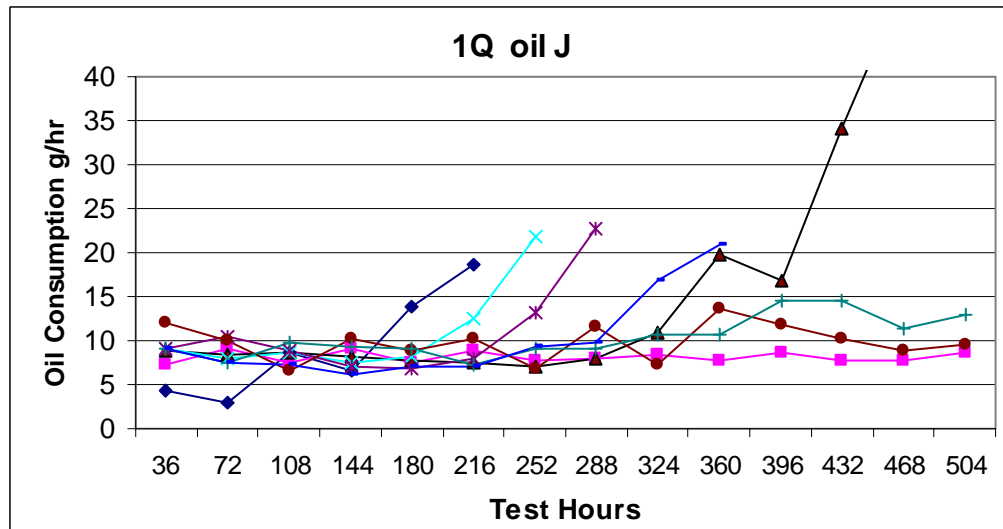
1. Test Results with matrix oil J
2. Surveillance Panel Decision
3. Action Plan

1Q Test Report for PC-9 matrix oil J

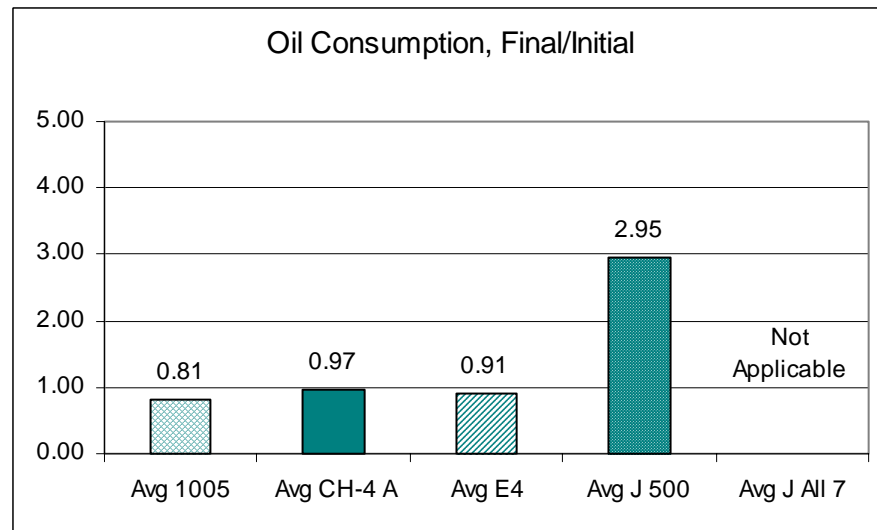
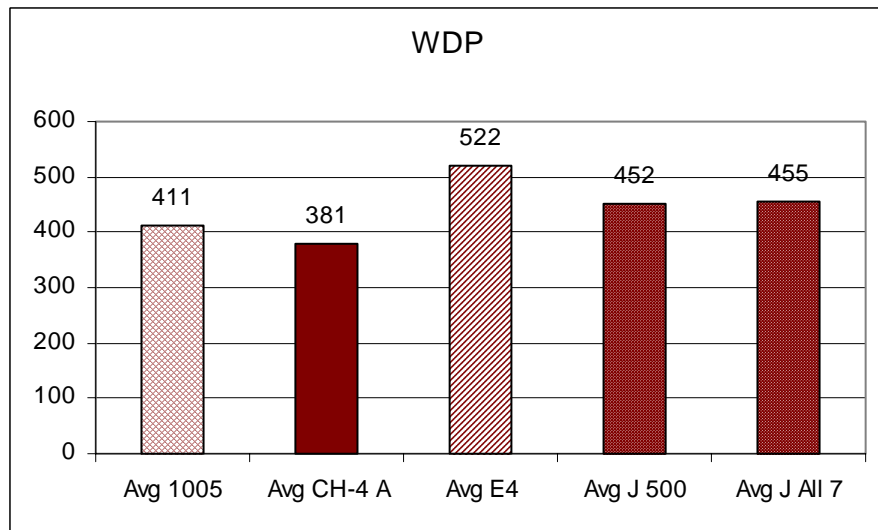
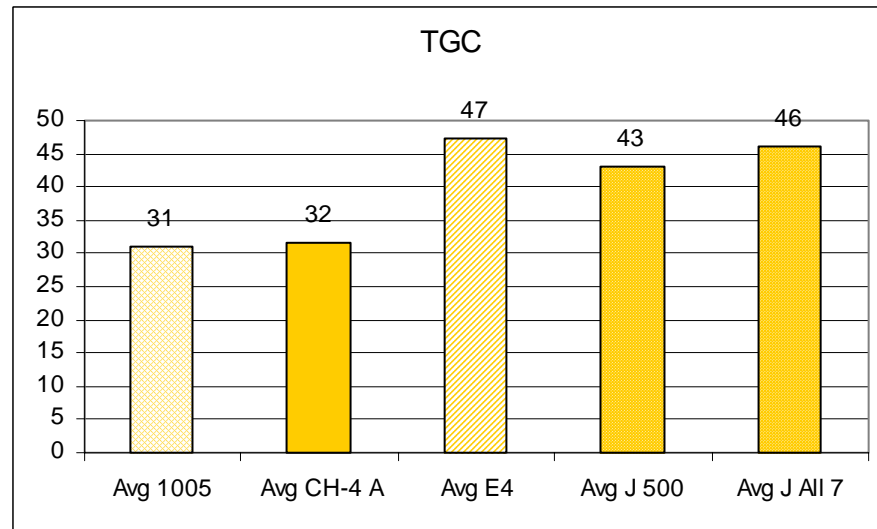
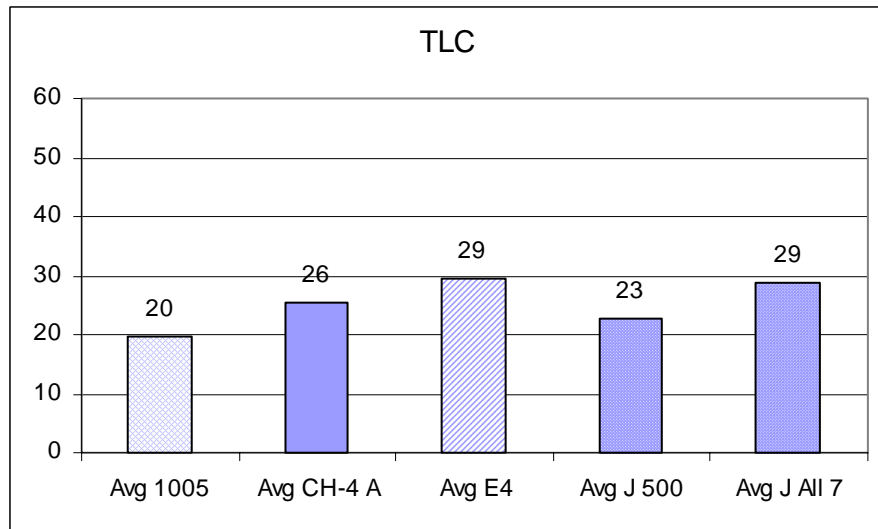
- 8 tests have been started with oil J
 - 3 completed 504 hours with oil control.
 - 1 completed 504 hours with high oil consumption and a scuff.
 - 3 lost oil control between 252 hours and 360 hours, one scuff.
 - 1 lost oil control and scuffed at 216 hours, (suspect fuel dilution).

1Q Test Report for PC-9 matrix oil J

- Oil J showed typical initial oil consumption characteristics



1Q Test Report for PC-9 matrix oil J



ATTACHMENT 7, 4 OF 8

1Q Test Report for PC-9 matrix oil J

- Surveillance Panel Recommendation

- “... the Caterpillar SCOTE Surveillance Panel has delayed the continuation of the Caterpillar 1Q PC-9 precision matrix pending an investigation into the probable root cause(s) of the test precision difference between 1005-1 and PC-9 matrix Oil J. The investigation has a target completion date of March 12, 2001. The motion passed, 8/1/0.”

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- Action Plan

- Caterpillar will

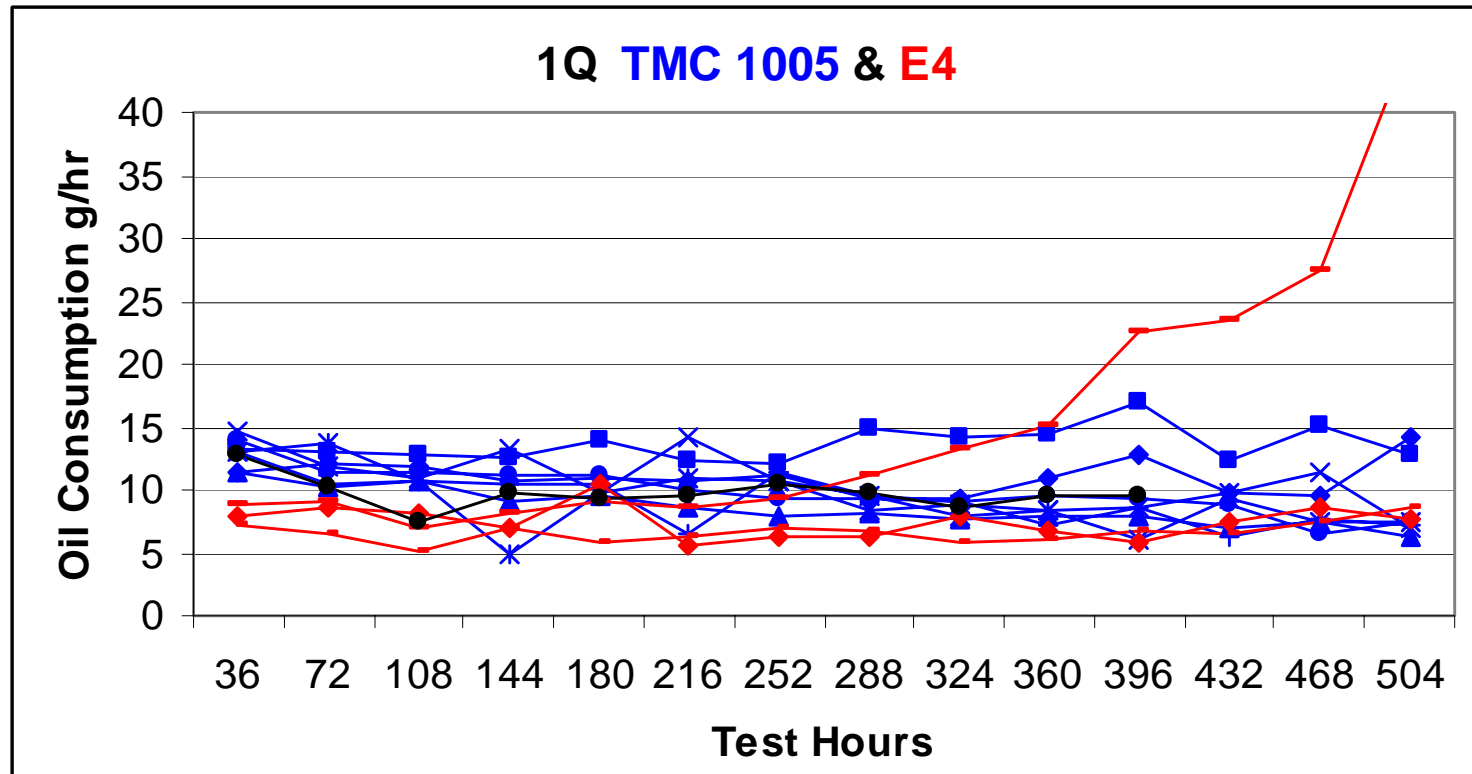
- ✧ visually inspect all 8 pistons, ring sets, & cylinder liners
 - ✧ review all inspection data
 - ✧ re-measure any questionable parts
 - ✧ investigate deposit profiles on the pistons

- Test Labs will

- ✧ re-investigate test hardware and operating conditions
 - ✧ make a demonstration run on TMC 1005

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- The demo run on TMC1005 has completed 396 hours with stable oil consumption



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- Caterpillar Position

- ▶ We are investigating 1Q hardware, operating conditions, and deposit profiles to determine the cause of high oil consumption with oil J.
- ▶ However, at this point in time, it appears that oil J does not have adequate piston deposit control for EGR engines.
- ▶ If the 1Q test conditions and hardware are determined acceptable by the surveillance panel, then the 1Q matrix should be re-started with a different feature oil for the 1Q test.