

Caterpillar C13 Test Criteria

500 hour – Steady State Test Cycle

Test Pass/Fail Criteria:

1. Piston Deposits
2. No Loss of Oil Consumption Control
 - a) Limits to be recommended by Taskforce
 - b) Calculation to be recommended by Taskforce
3. No stuck rings or sluggish rings
4. Other parameters to be determined by Taskforce



C13 Test Exit Ballot Status

1. **There were significant oil differences and Discrimination for TGC, TLHC and TLC**
2. Marginal Significant Discrimination on TGF and Oil Consumption would be improved with Oil temperature and other controls
3. Oil D 3 runs included in Matrix
4. Parts are not an Issue

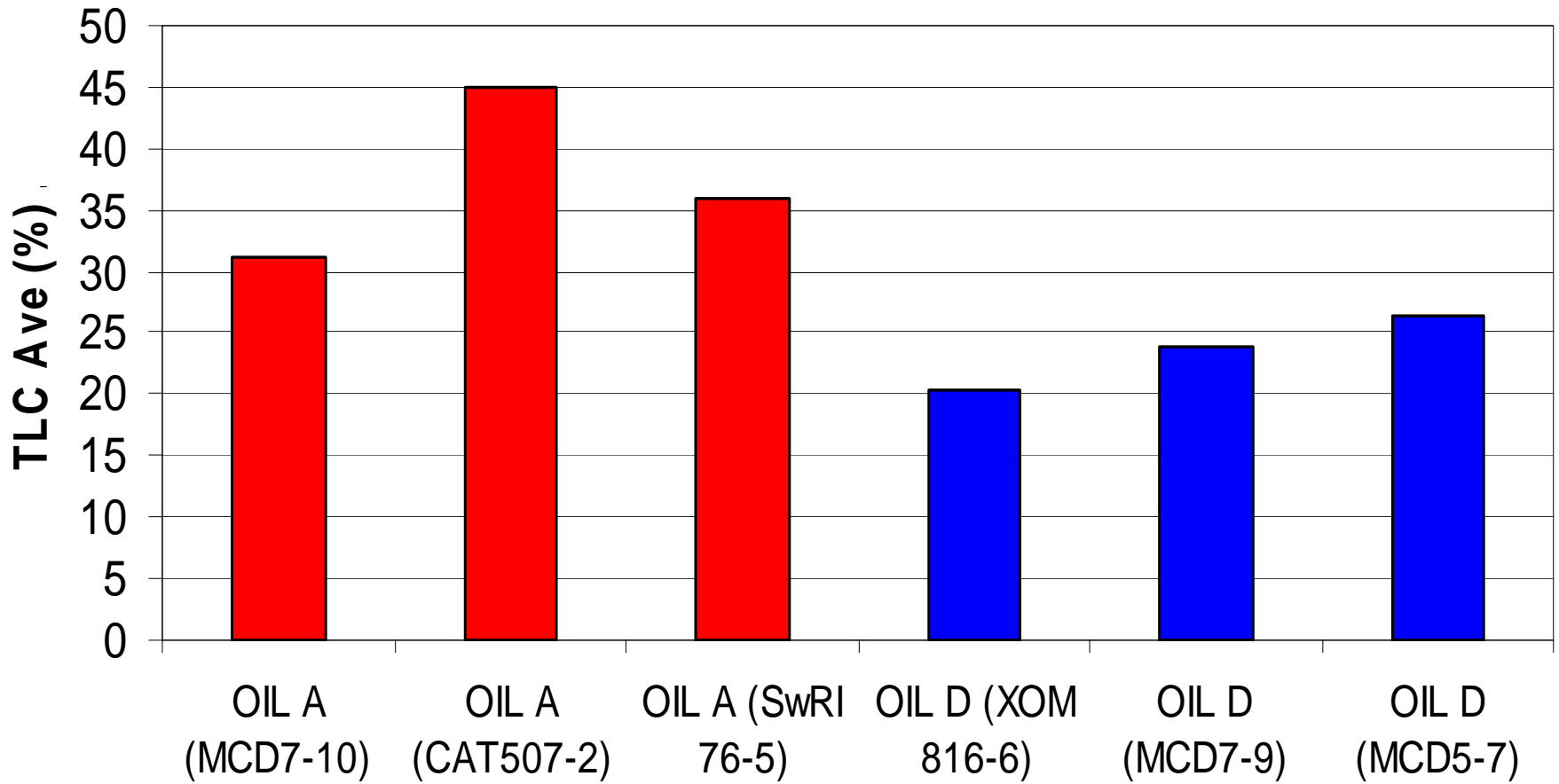


Caterpillar C13 Test Discrimination

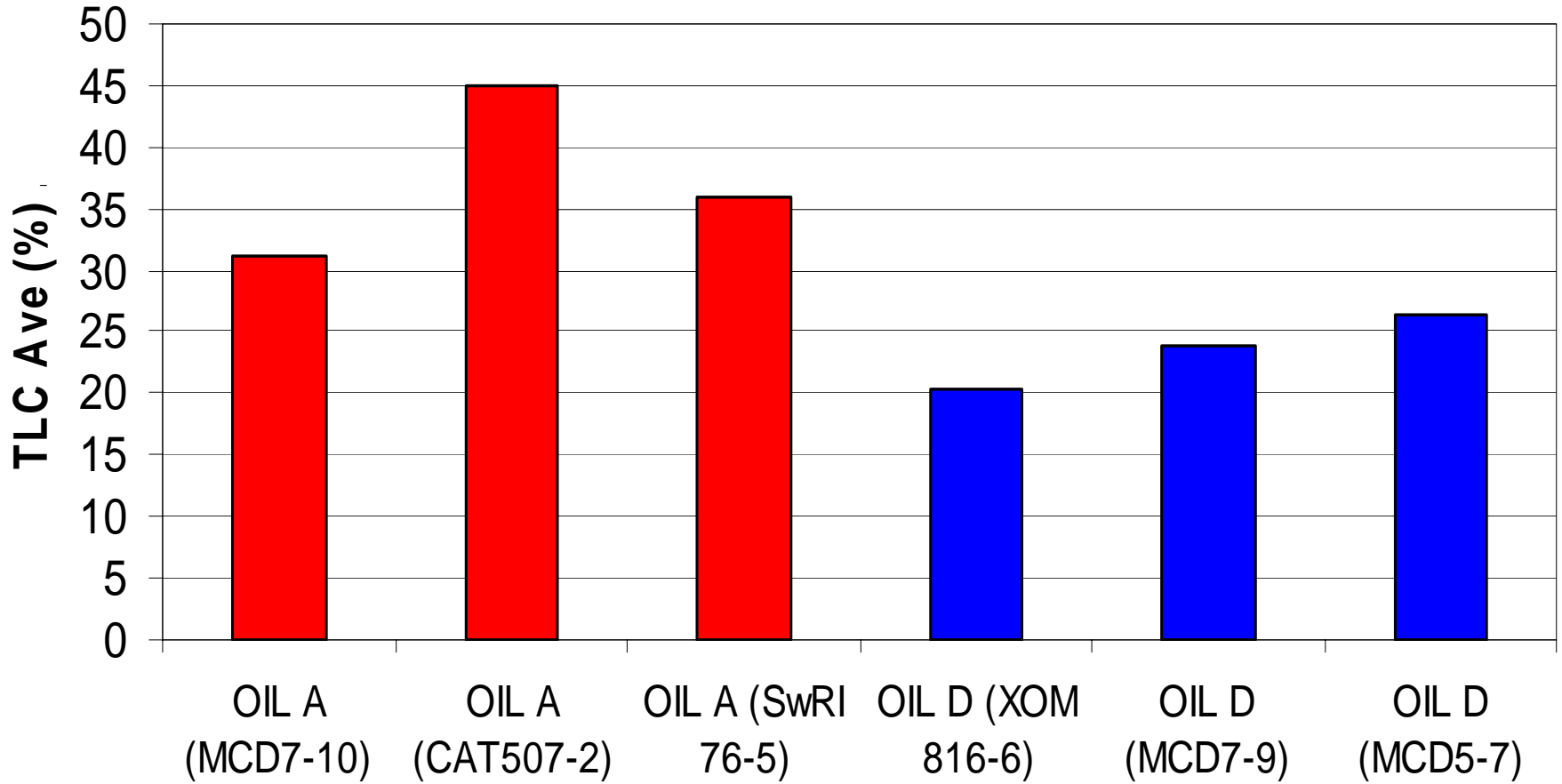
<u>Oil</u>	<u>Oil A</u>	<u>Oil D</u>	<u>%</u>
TLHC (Ave)	19.1	6.4	196
TLC (Ave)	37.4	23.5	59.1
TGC (Ave)	54.9	44.4	23.6
TGF (Ave)	57.7	43.3	33
IGF	7.7	5	53.3
IGC	25.4	9.8	158
Oil Cons Increase	64.7	40.7	59



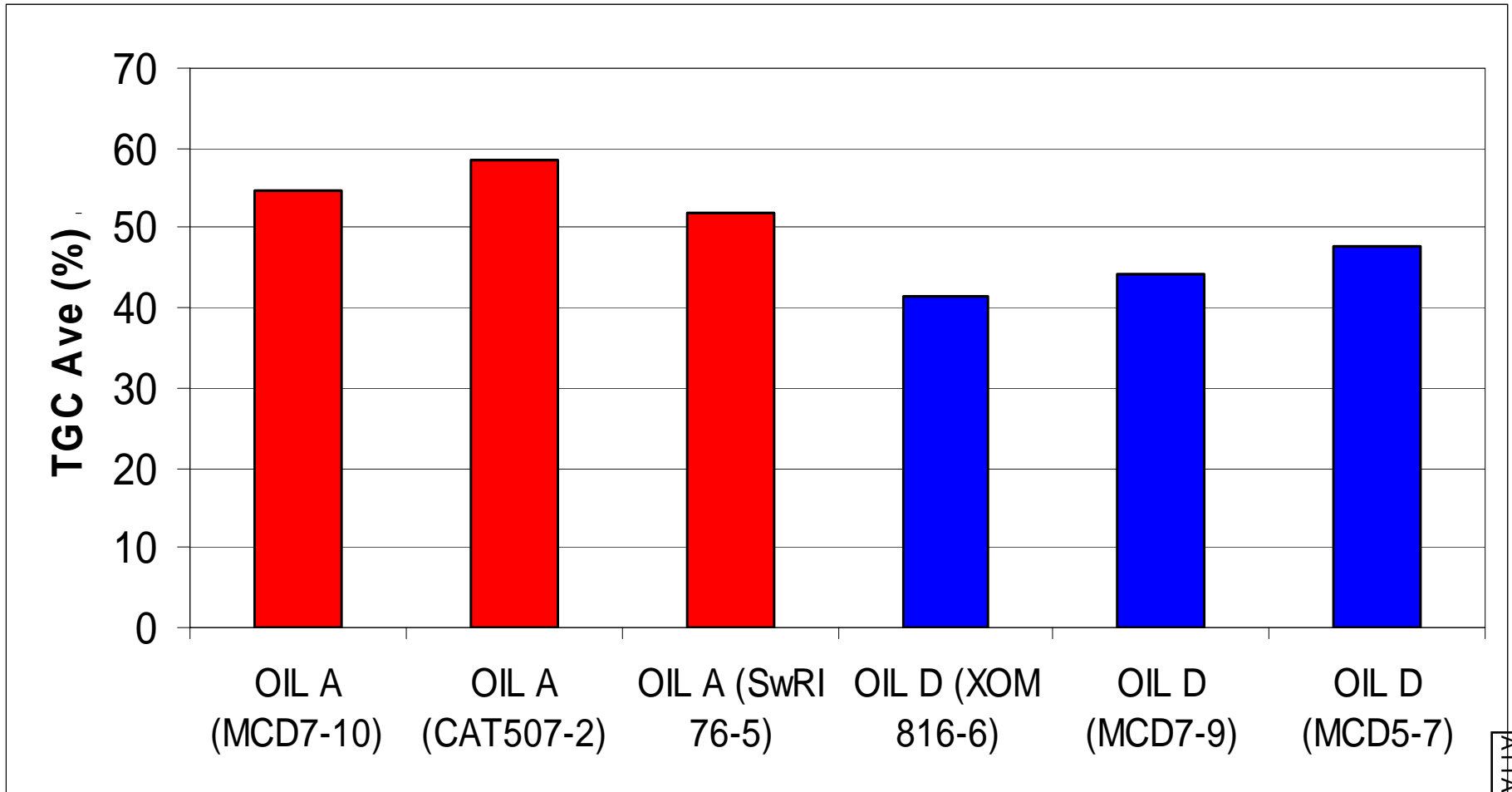
Caterpillar C13 Test Update



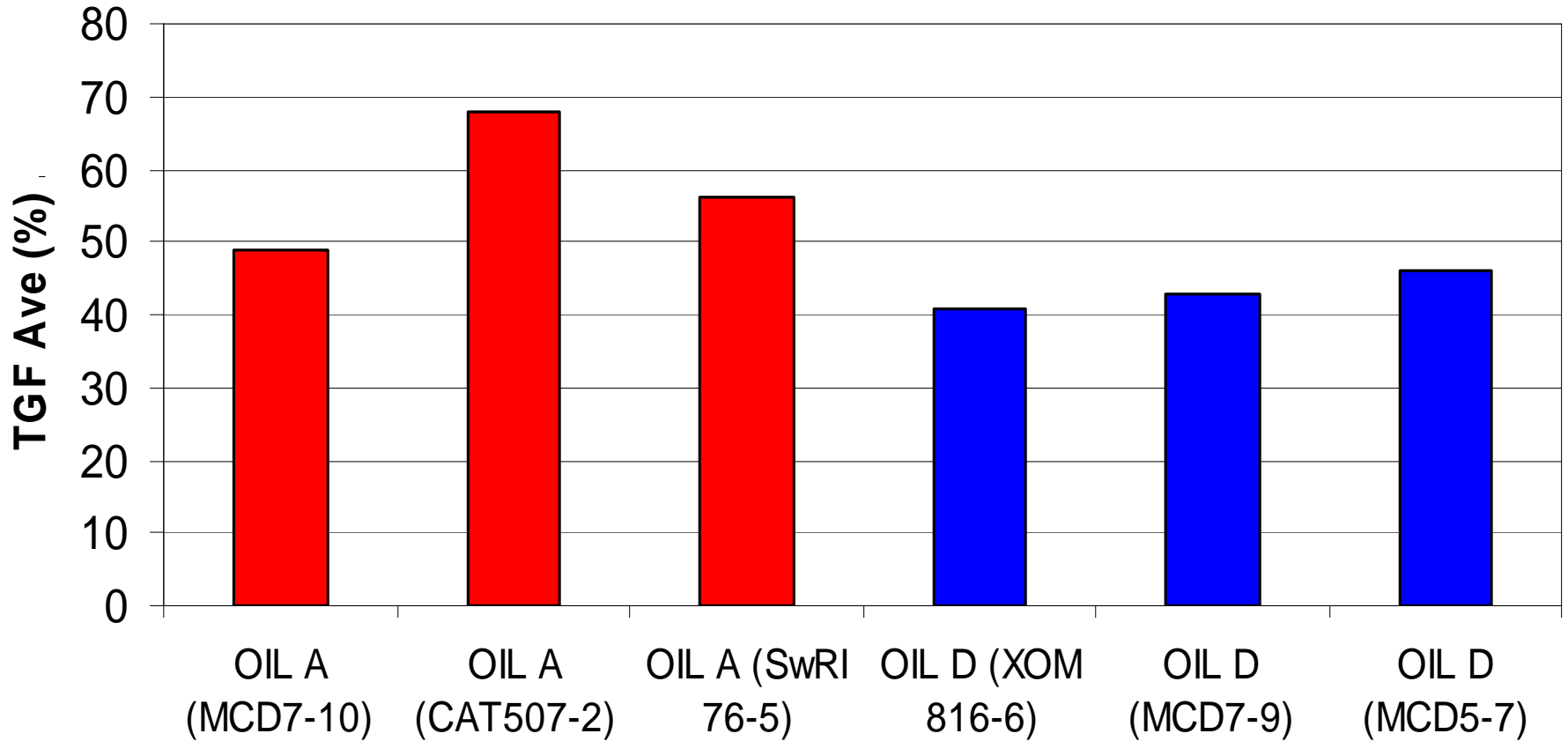
Caterpillar C13 Test Update



Caterpillar C13 Test Update

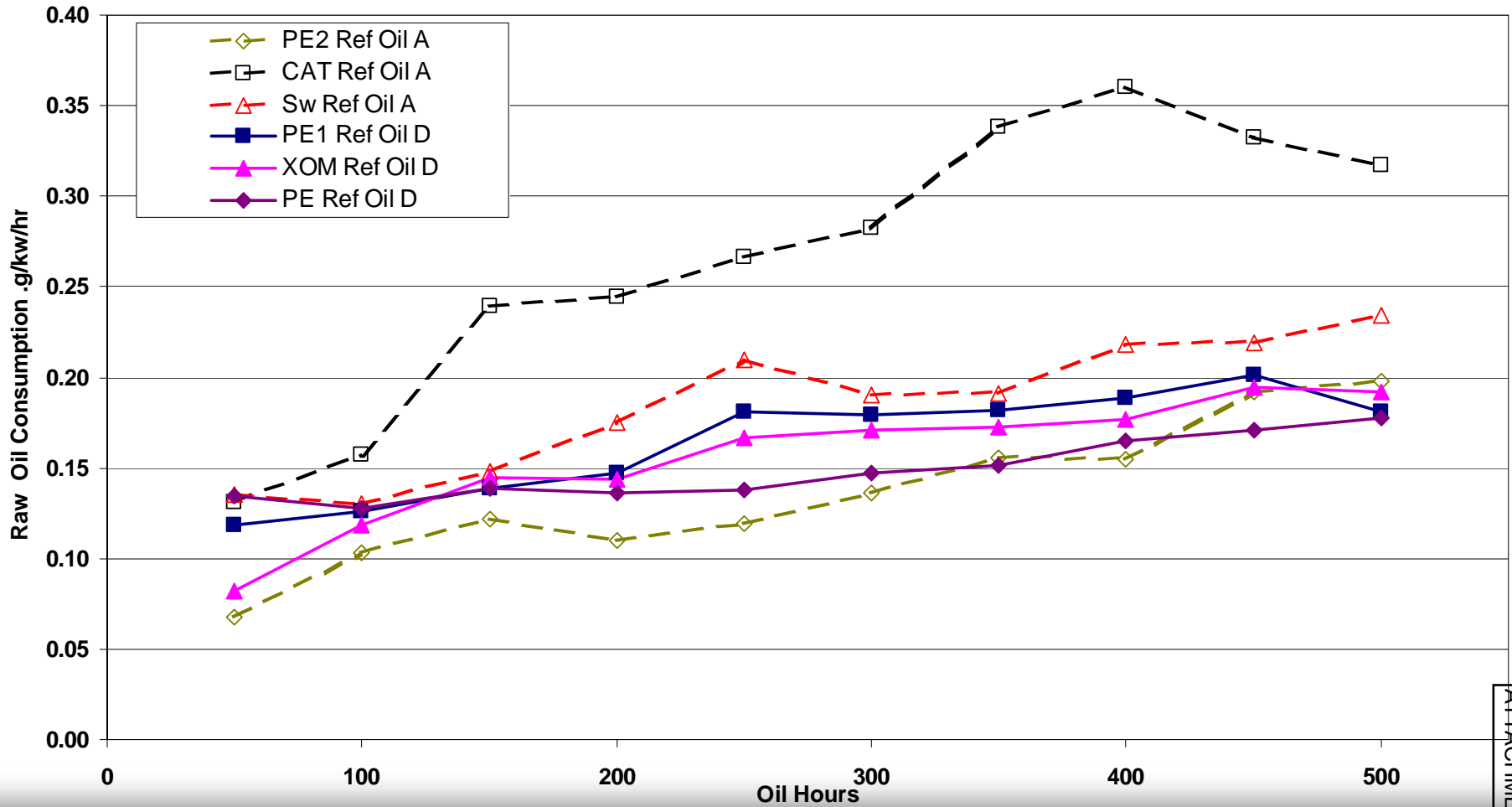


Caterpillar C13 Test Update



Caterpillar C13 Test Update

C13 Raw Oil Consumption

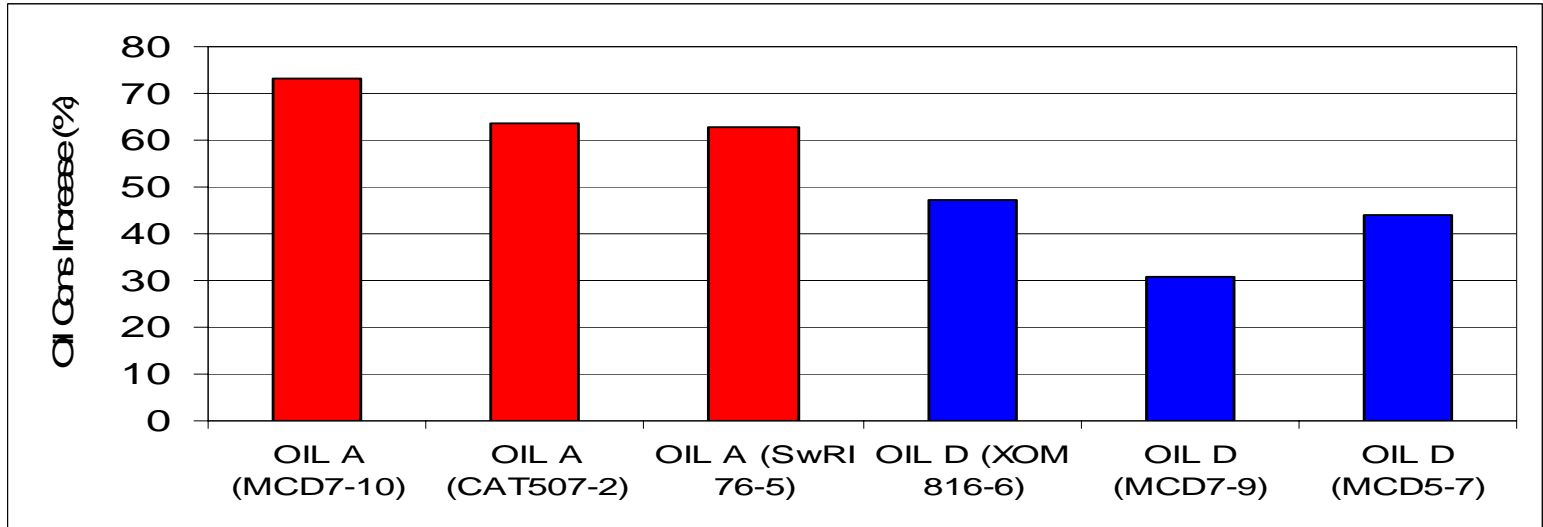


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Caterpillar C13 Test Update

March 31, 2005

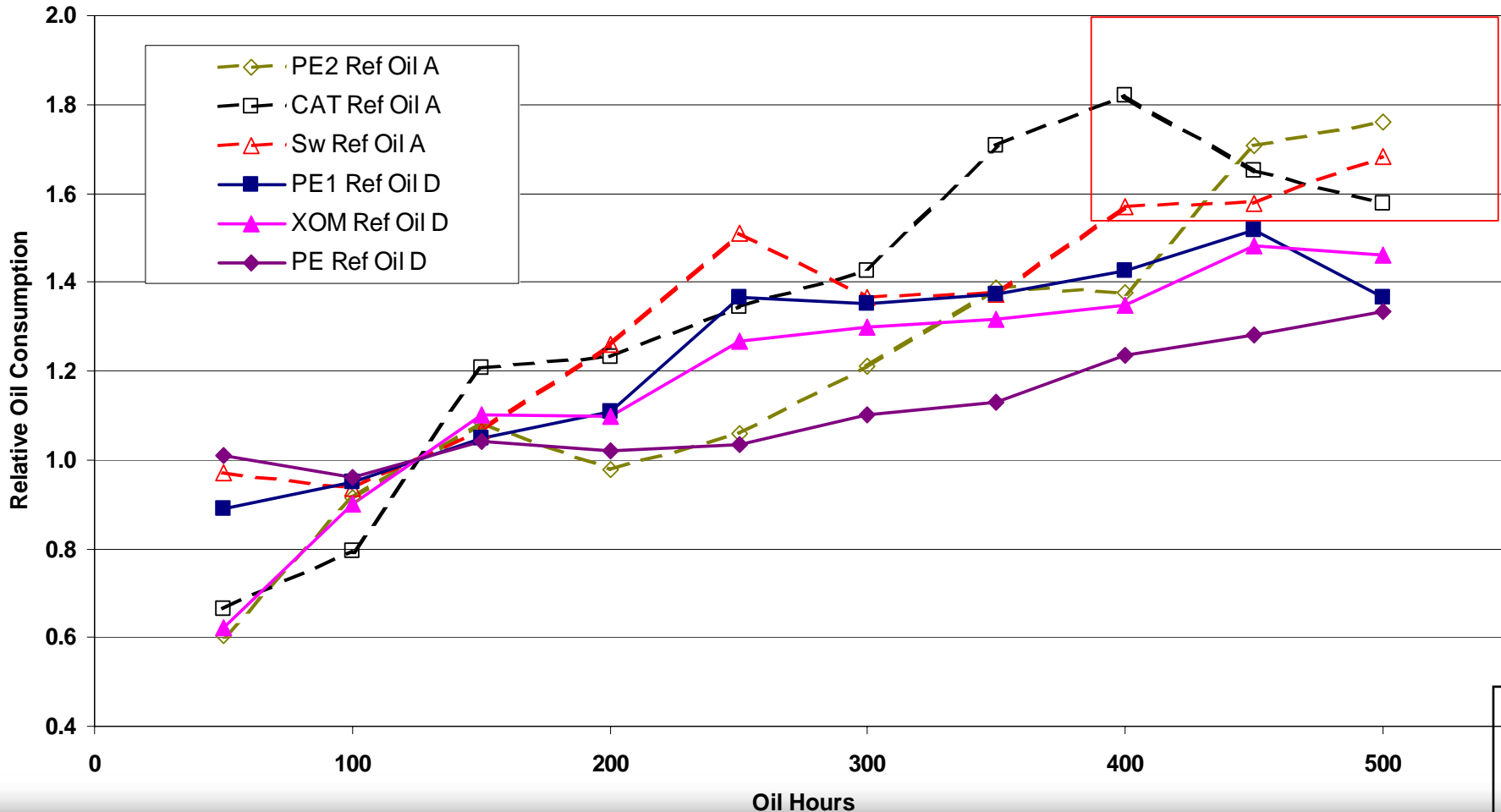


<u>Oil</u>	<u>Test Hours</u>	<u>Oil Cons Inc</u>
Oil A (MCD7-10)	500	73.3
Oil A (CAT507-2)	500	63.8
Oil A (Sw76-5)	500	62.9
Oil D (XOM816-6)	500	47.1
Oil D (MCD7-9)	500	30.7
Oil D (MCD5-7)	500	44.2

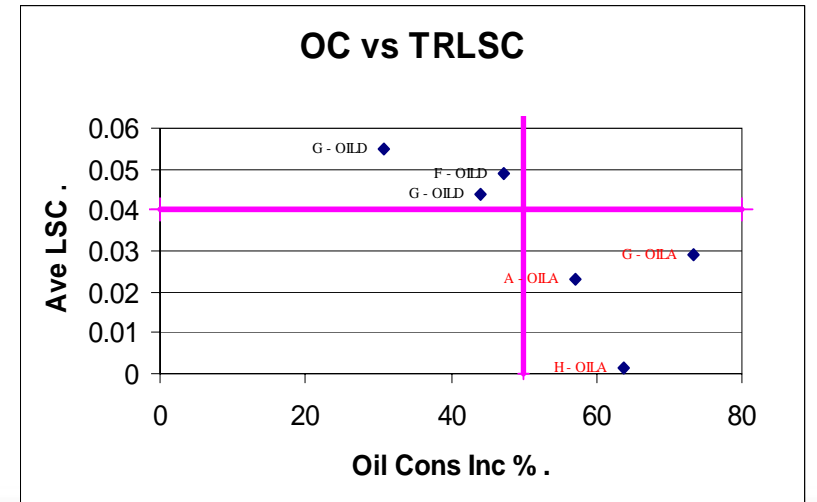
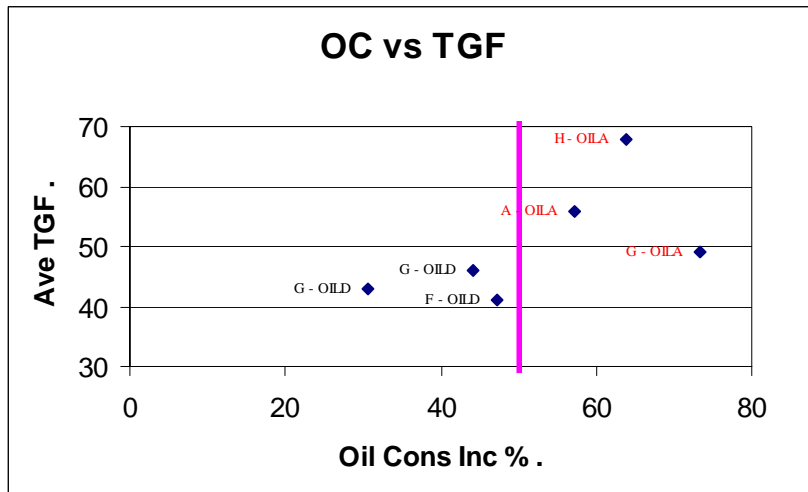
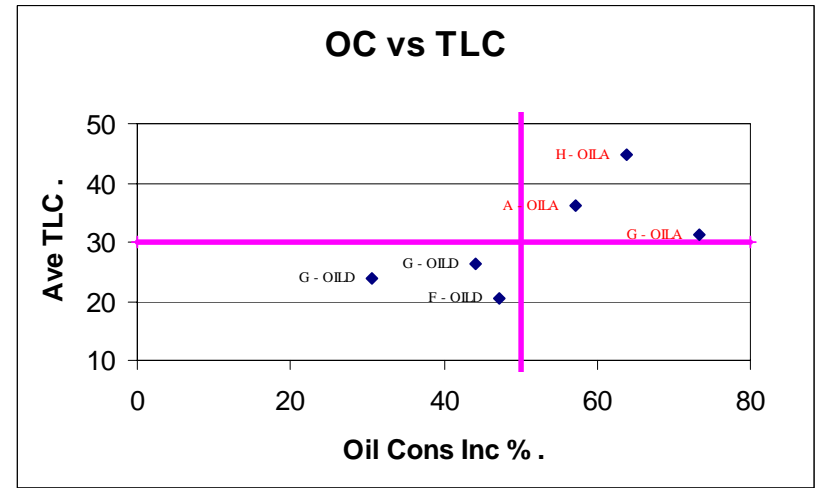
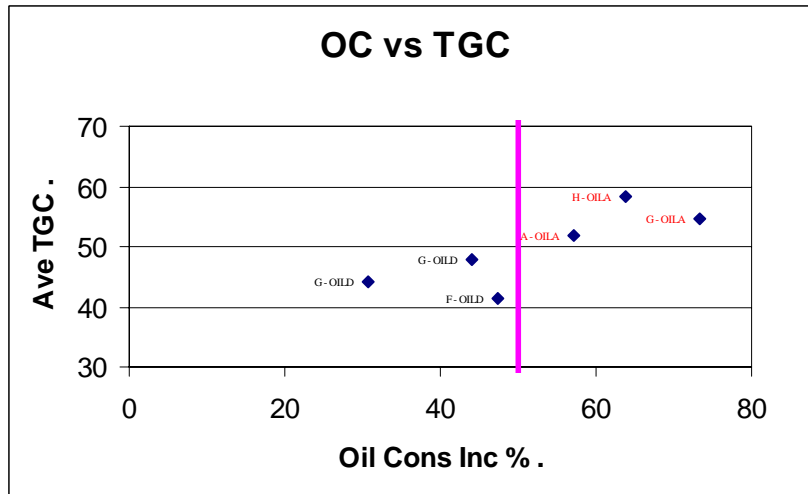


Caterpillar C13 Mini-matrix Test Status

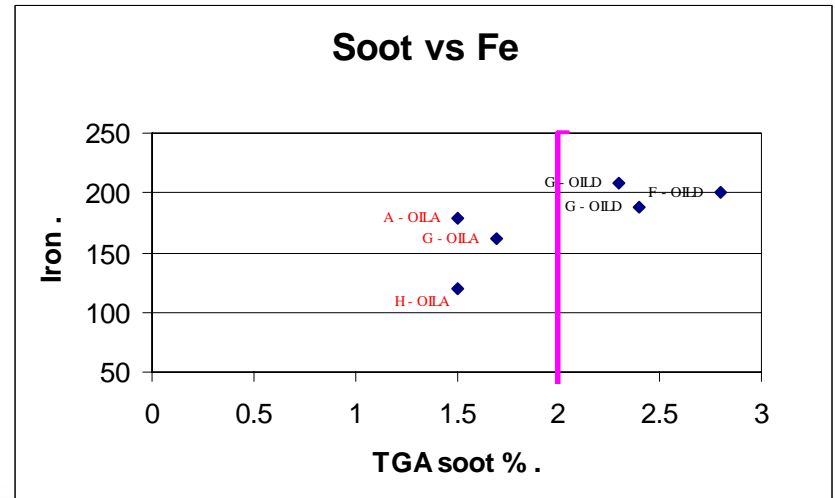
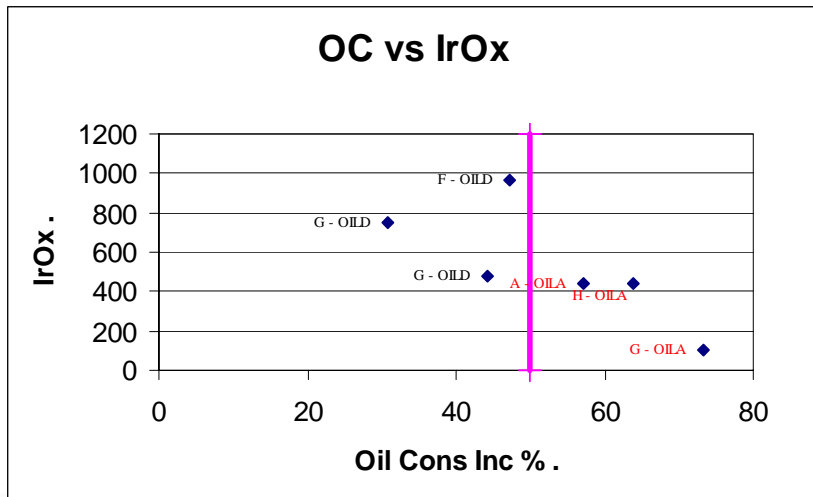
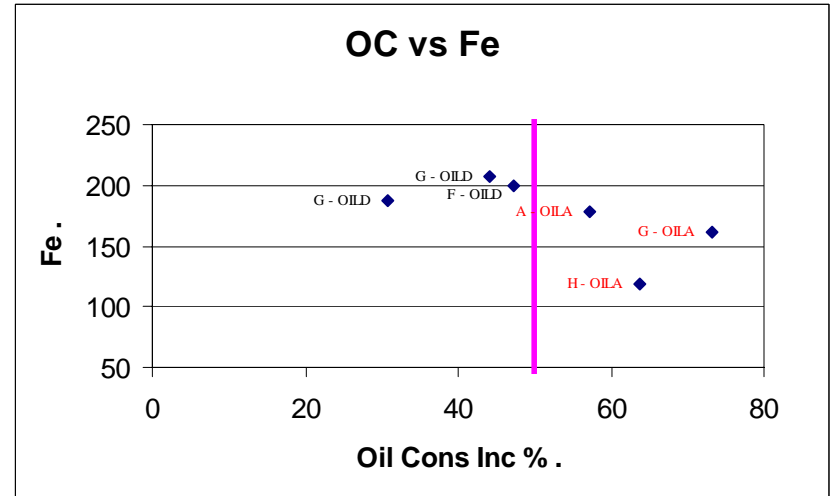
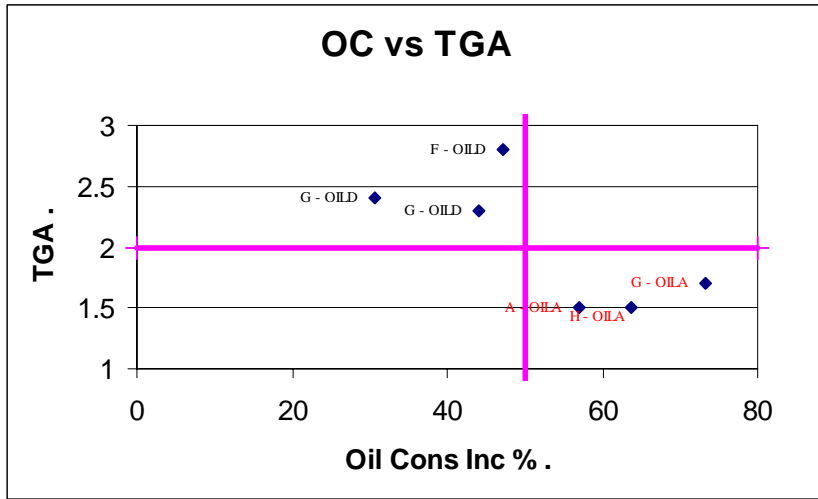
C13 Normalized Oil Consumption



C13 Discrimination Status

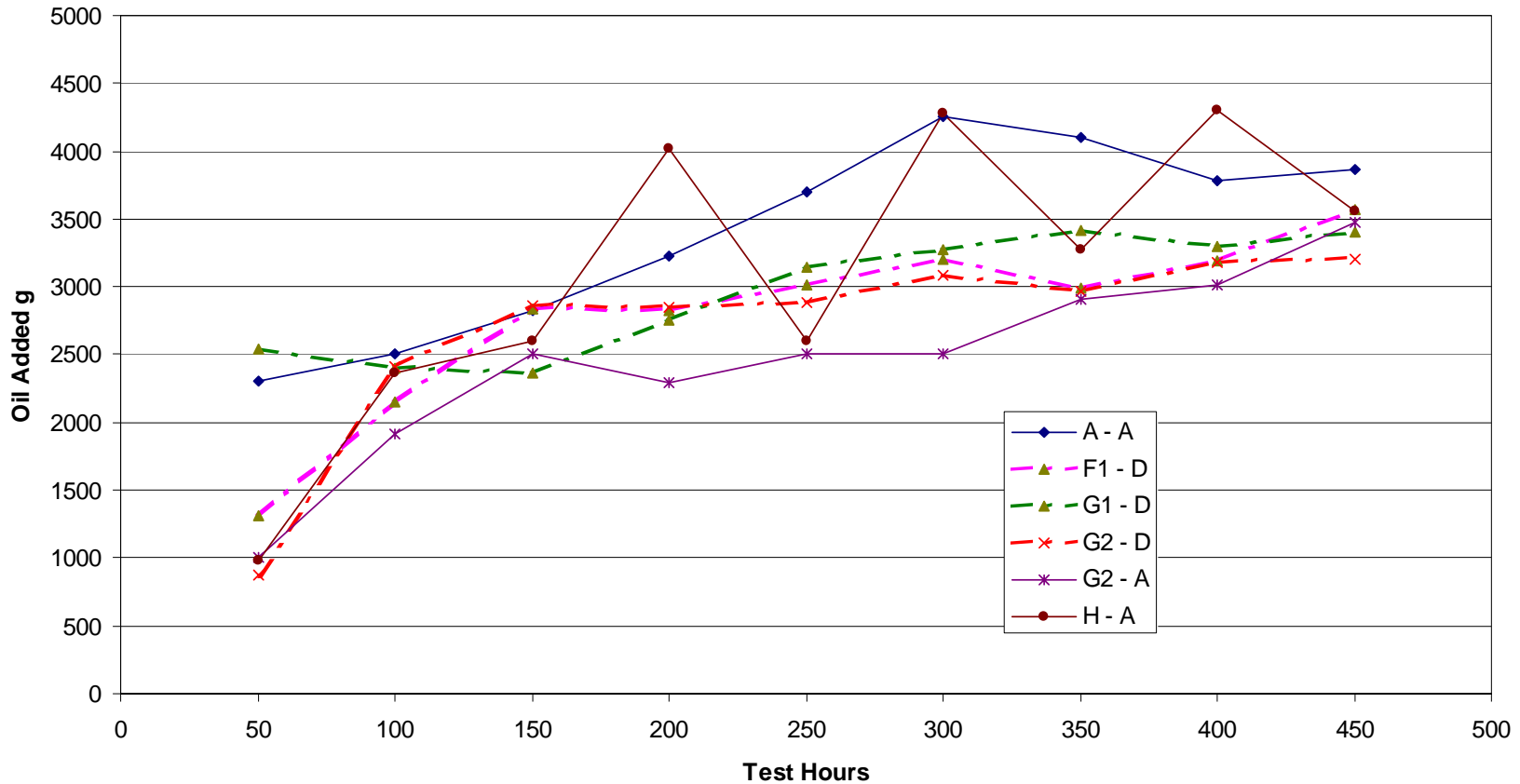


C13 Discrimination Status

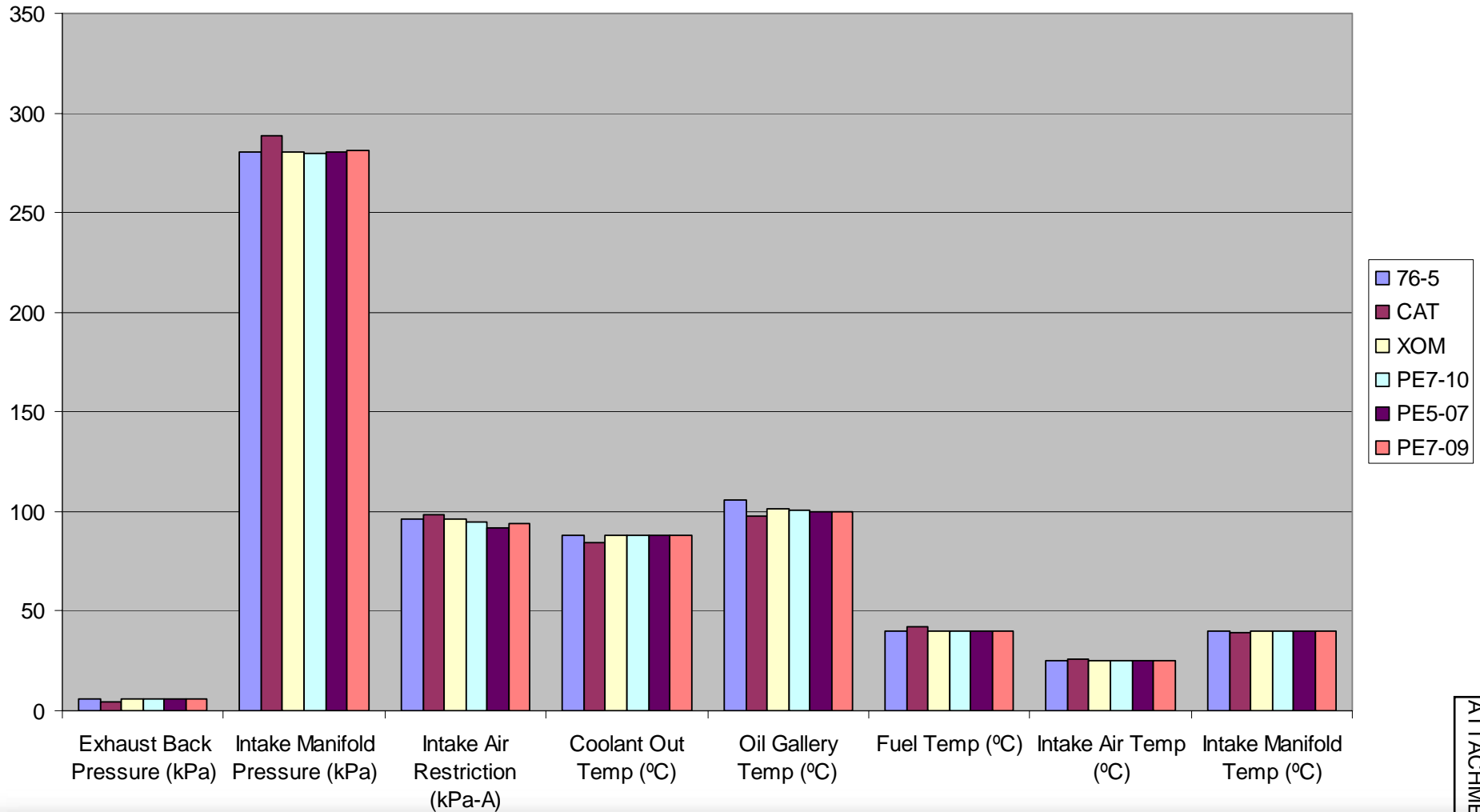


C13 Discrimination Status

C13 Oil Added



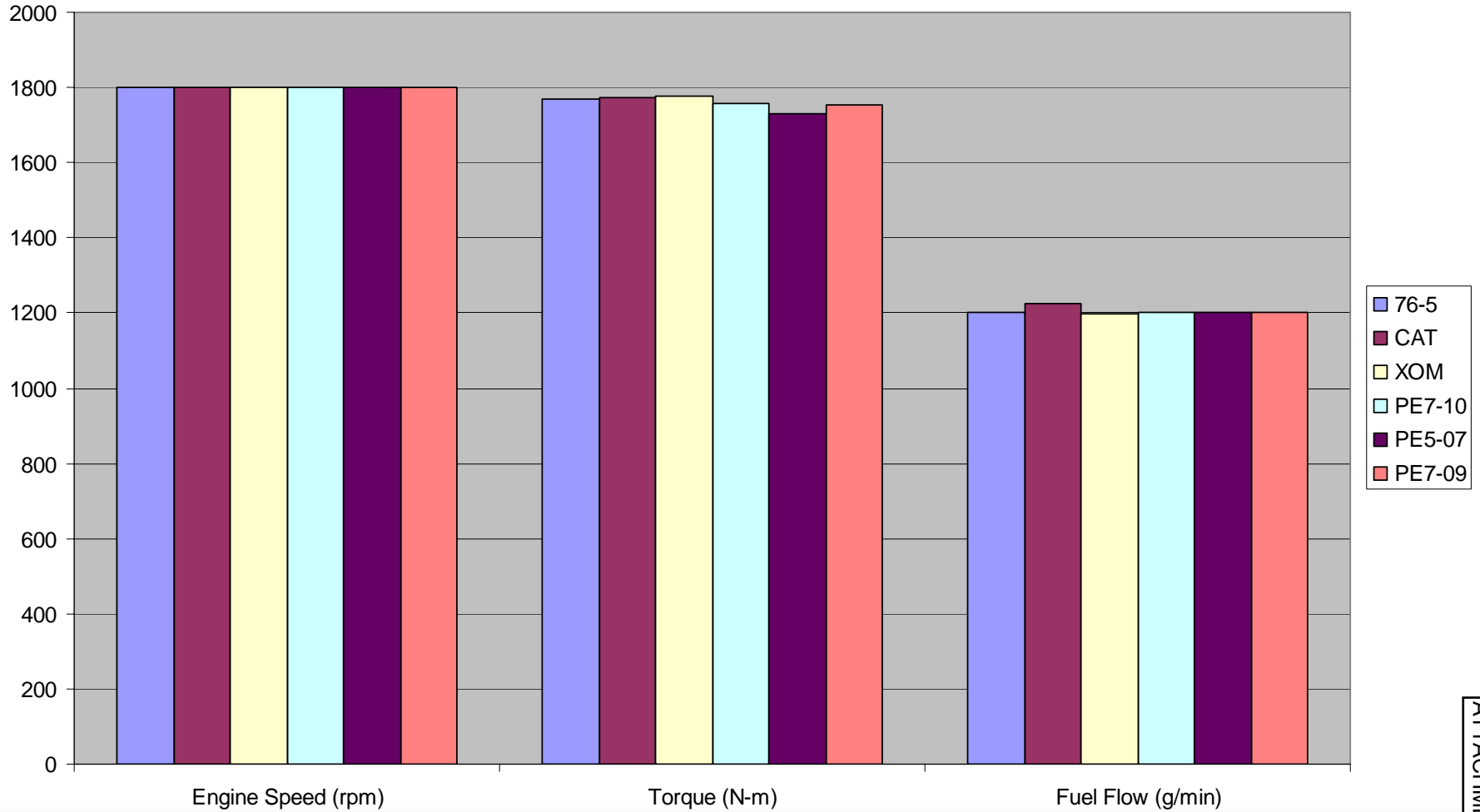
C13 Discrimination Status



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C13 Discrimination Status



C13 PRL Status

	April runs	May runs	June runs	July runs
Piston				
Liner				
Top ring				
2nd ring				
Oil ring				

-  Parts in stock
-  Parts available end Feb
-  Parts available end Mar

- Can now lift Matrix restrictions on parts
- Schedules and focus drive parts thru 2006

