

# PC 10 Discussion

## Introduction of Low Sulfur Fuel and PC 10 Oils June 2006

**Required Test to Industry June 2004 ?**

**Matrix Testing Start Jan. 2005**

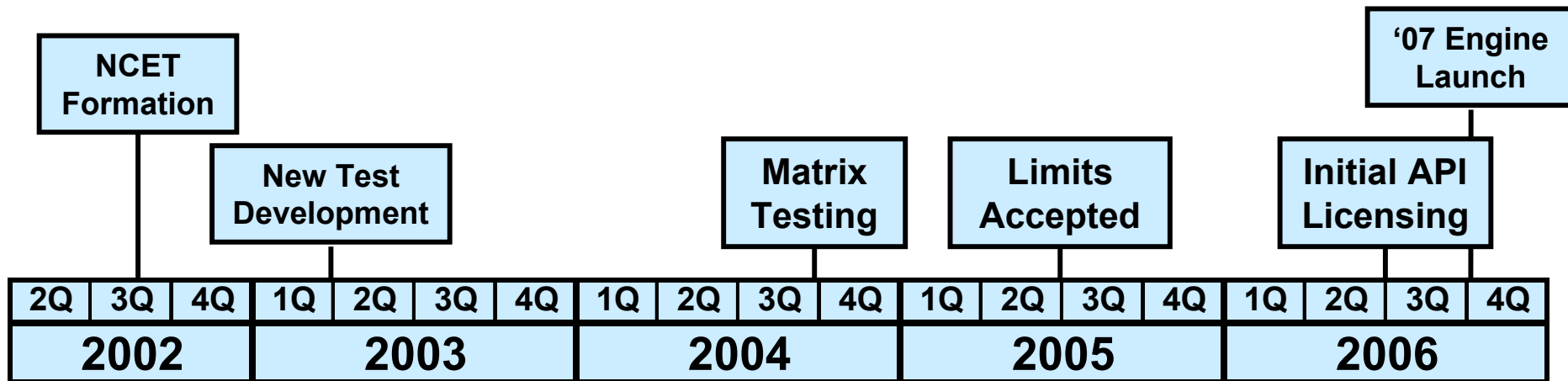
**Finish Matrix Testing June 2005**

**Test Accepted by ASTM & ACC 6/2005**

**No B Ballot on Limits**

# Heavy-Duty Engine Oils

- **Projected Timeline for PC-10**



- **Category will be very challenging; development process needs to begin soon**

6/17/02

# Active API HD Categories

## *Any Modifications Required or Desired?*

Category	Application	Tests with Potential Issues	
<b>CF</b>	<b>4-cycle IDI</b>	<b>1M-PC</b>	<b>(Severity Shift)</b>
<b>CF-2</b>	<b>2-cycle</b>	<b>1M-PC</b> <b>6V-92TA</b>	<b>(Severity Shift)</b> <b>(Availability)</b>
<b>CF-4</b>	<b>4-cycle DI (1991)</b>	<b>Alternates in Place</b>	
<b>CG-4</b>	<b>4-cycle DI (1994)</b>	<b>Alternates in Place</b>	
<b>CH-4</b>	<b>4-cycle DI (1998)</b>	<b>Mack T-9</b> <b>Cummins M11-HST</b> <b>Caterpillar 1P</b>	<b>(Economic Viability)</b> <b>(Economic Viability)</b> <b>(Economic Viability)</b>
<b>CI-4 (9/02)</b>	<b>4-cycle DI w/EGR</b>	<b>None</b>	