
PC-10 NCDT STATUS REPORT

**ASTM HDEOCP MEETING
DOUBLETREE HOTEL O'HARE
CHICAGO, IL
November 11, 2004**

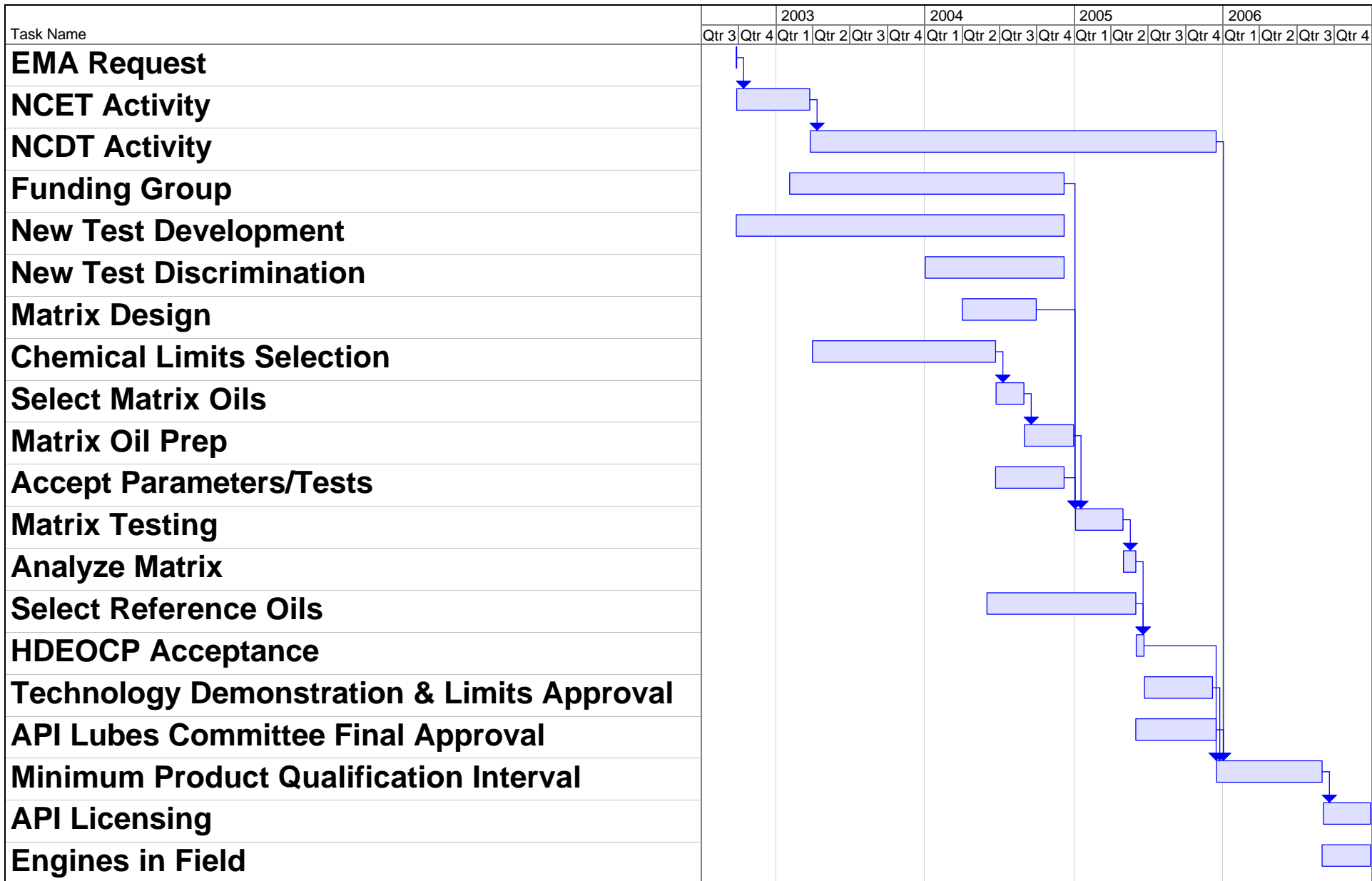
Heavy-Duty Engine Oils










API Lubes Committee Meeting

November 8, 2004

Topics:

- (1) PC-10 Development**
- (2) PC-10 Timeline**
- (3) PC-10 Matrix Funding**

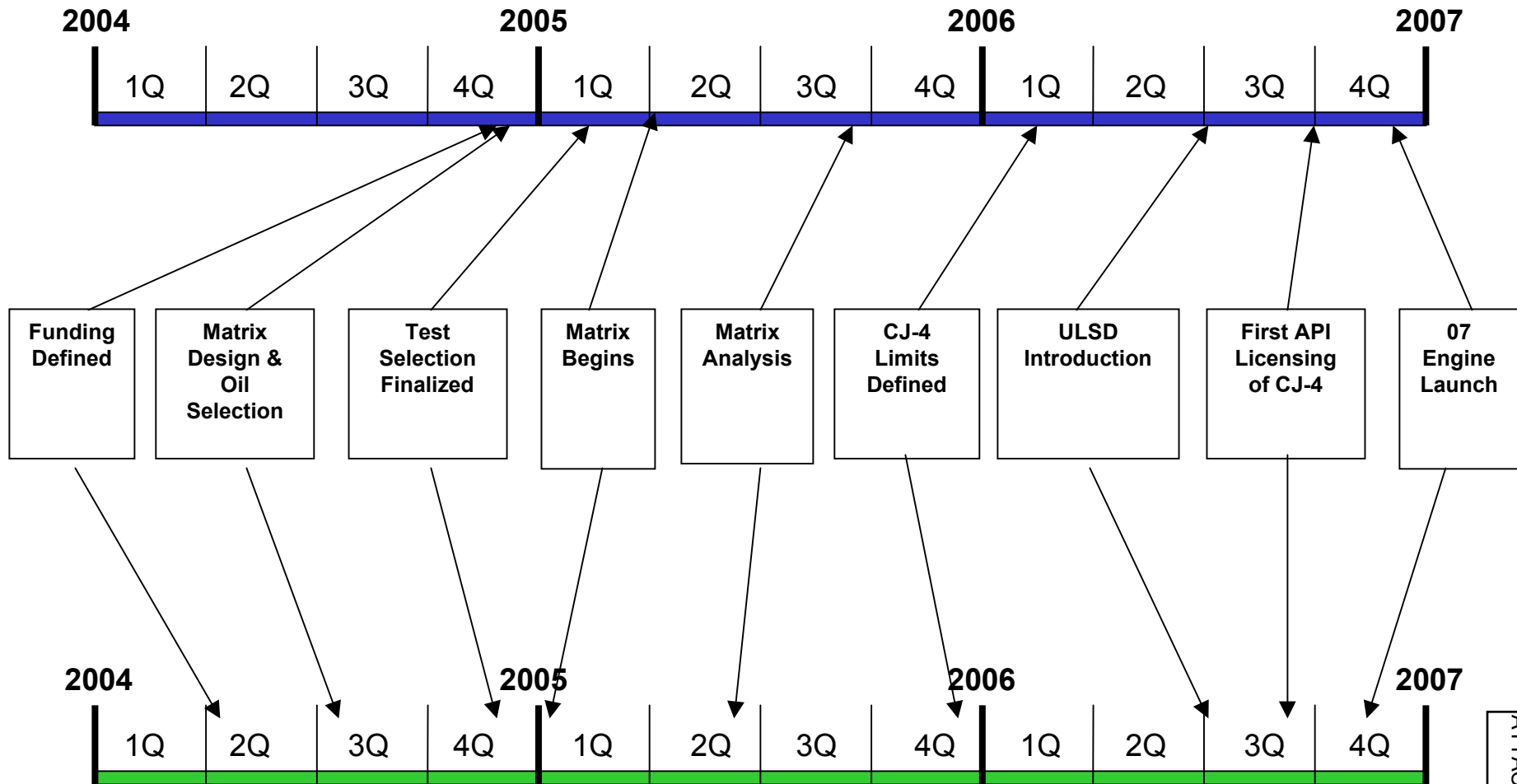


Project: PC-10 ACC-1 09212004 Date: Tue 9/21/04	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

PC-10 Development

- **Cummins ISB will be ready for matrix by 12/04.**
- **Mack T-12 may not be ready by 12/04.**
- **T-12 may be ready by 01/05.**
- **Caterpillar C-13 will probably not be ready by 12/04.**
- **C-13 will probably not be ready by 01/05.**
- **Caterpillar 1P/1N/1K issue awaits EMA support, prior to NCDT consideration.**
- **Matrix oil Status?**

Best Guess PC-10 Timeline (10/11/04)



Proposed PC-10 Timeline

PC-10 Matrix Funding

Overview

- **Current PC-10 development requires three Precision matrices and one BOI matrix.**
 - ❖ **Cat C13 requires Precision & BOI.**
 - ❖ **Cummins ISB, and Mack T-12 require Precision only.**
 - ❖ **Cummins will specify BOI for ISB, based on M-11 EGR.**
 - ❖ **Mack will specify BOI for T-12, based on T-10.**
- **API & ACC have agreed to match up to \$ 1MM of EMA funding.**
- **EMA funding in cash and kind will be counted.**

Lubes Committee Guidance Needed

- **Position on dealing with timeline slippage.**
 - ❖ Go forward with only tests that are ready for 1/1/2005 matrix start.
 - ❖ Reduce technology demonstration period.
 - ❖ Reduce qualification period.
 - ❖ Delay first license.
- **API-LC: Proceed with matrix, as ready. Delay category completion to allow inclusion of C-13, if needed, unless withdrawn by Caterpillar as a service requirement. Delay of matrix completion will delay first license.**

Lubes Committee Guidance Needed

- **Procedure for T-12 & ISB BOI.**
 - ❖ OEM input required.
 - ❖ BOI/VGRA Task Force requirements.
- **API LC: Accepted in principle. BOI/VGRA TF will work out details with EMA.**
- **Acceptance of funding commitment.**
 - ❖ EMA in kind.
 - ❖ Separate MOUs.
- **API LC: Accepted**