

# NCDT UPDATE

HDEOCP MEETING

Salt Lake City, Utah

June 22, 2004

# Caterpillar PC-10 Test Proposals

## Forward and Backward Compatibility

- High Temp deposits tests in past
- New lower Temp combustion with lower Piston Temps

This will drive two piston deposit tests for PC-10:

- 1) 1P for High Temperature Backward Compatibility
- 2) C13 for lower temperature (low NO<sub>x</sub>) engines



# Caterpillar PC-10 Test Proposals

Fuel Sulfur for PC-10 Tests:

- 1) 1P 500 ppm for Backward Compatibility
- 2) C13 <15 ppm for Forward Compatibility
  
- 3) CCV test



# Iron Piston Deposits, Oil Consumption

- New Test
- New Engine - Caterpillar C-13
- Length - ~500 hours
- ULS Diesel Fuel
- Combined Steady State (CCV?)
- Matrix Required
- Hardware Available - 13(7 Installed)
- Discrimination - 12/04?

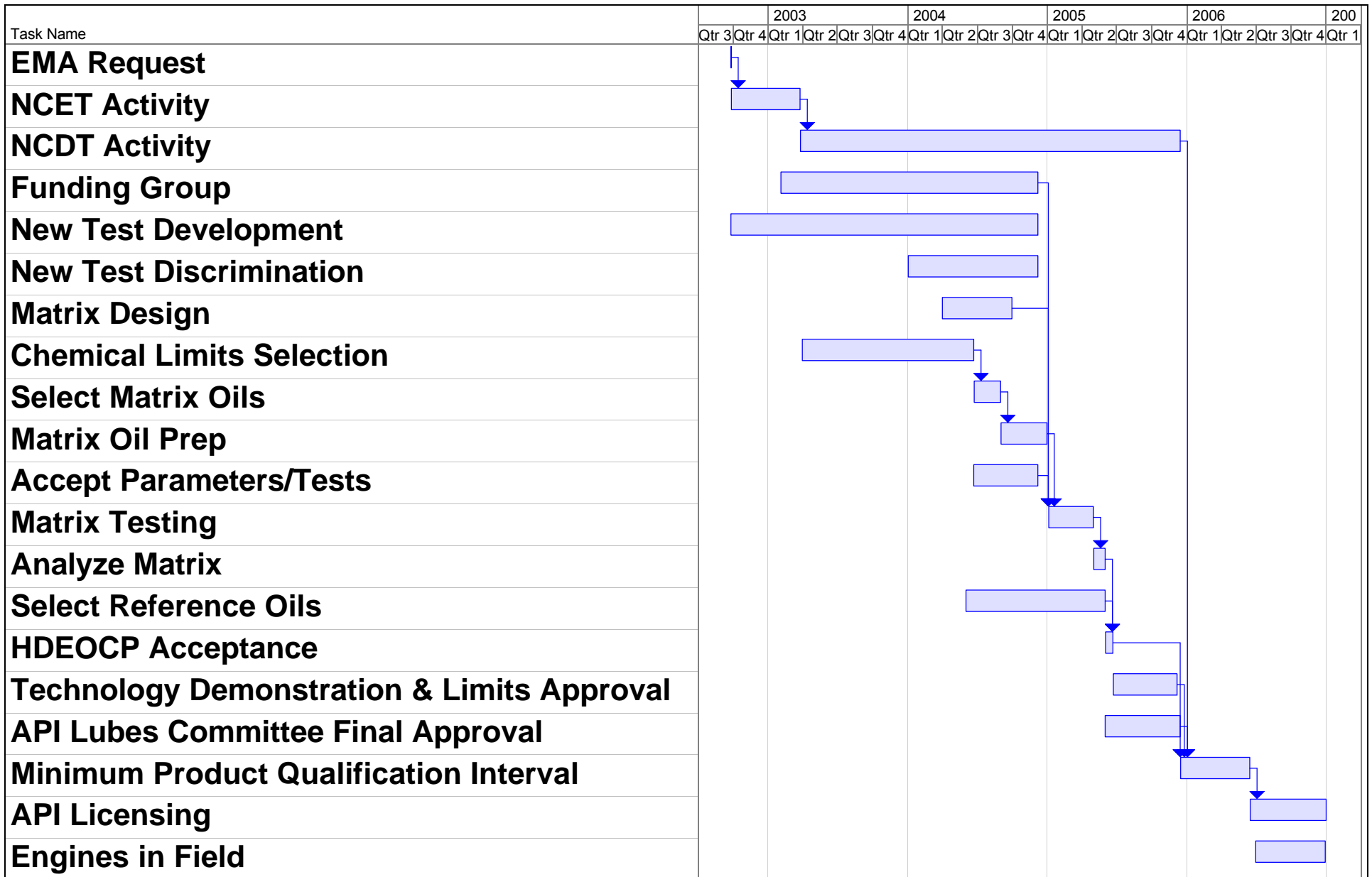
# Aluminum Piston Deposits, Oil Consumption

- CI-4 Requirement
- Caterpillar 1N or 1K
- Required for Backward Compatibility
- Matrix Not Required
- Caterpillar Sees Continued Need for Aluminum Piston Test

# NCDT CONFERENCE CALL

06/11/2004

- Reviewed Caterpillar 5/18/2004 Request
- Modifies EMA Category Development Request
- EMA Has Not Reached Consensus
- Some EMA Interest in Retaining Aluminum Piston Test
- NCDT Awaiting EMA Request for Modification



Project: PC-10 ACC-2  
Date: Tue 6/22/04

Task		Milestone		External Tasks	
Split		Summary		External Milestone	
Progress		Project Summary		Deadline	