



# PC-10 Chemical Limits Task Force

December 8, 2003

Reproduction of any material whether by photocopying or storing in any medium by electronic means or otherwise is prohibited without prior written consent of Infineum International Limited.

© Copyright INFINEUM INTERNATIONAL LIMITED 2003.  
All rights reserved

## Proposed Agenda

- Agenda review
- Approve meeting minutes, June 16 meeting
- Secretary volunteer ?
- Review summary of plan and timing that was established earlier this year
- Review data submissions to-date
- Discuss and decide revised timing for the key Task Force activities and deliverables
- Next Steps
- Next Meeting

# PC-10 Chemical Limits Task Force - Plan

- **Any necessary chemical limits for S, P, SASH**
  - Balance engine durability, after-treatment system durability and ODI. Engine durability is top priority
  - Apply broadly to all engines, allow backward compatibility of PC-10 lubricants, based on best judgment from analysis of data supplied by Industry, and focus on the needs of 2007 emissions controlled engines
- **Solicit, then analyze data from the Industry related to:**
  - Engine durability at lower constitutional amounts of sulfated ash, phosphorus and sulfur
  - Exhaust system durability as a function of constitutional amounts of sulfated ash, phosphorus and sulfur
  - Engine durability as a function of oil drain interval at lower constitutional amounts of sulfated ash, phosphorus and sulfur
- **Timing driver - input to the design of the reference oils that will be used in the PC-10 engine test matrix.**
  - Recommendation in place about 3 months ahead of the start of the matrix, slated for late 1Q04. Timing to be adjusted if the PC-10 test matrix timing slips

## Data Submissions

- Responses from 8 entities
  - ▣ Type 1 data – 10 oils
  - ▣ Type 2 data – 7 oils
  - ▣ Type 3 data – 1 oil
  - ▣ Lacking DPF data
- Some data provided in summary form (not the underlying data points) that might prove difficult to analyze

## Task List and Timeline from June Meeting

- Develop data input forms (Rick)
- Develop cover letter (Rick)
- Develop Distribution list for the letter
  - Greg S to supply a list for MECA
  - Jim M will handle API/ACC/EMA
  - Rick F will get a list for ACEA/Japan
- Send out letter/info request (Rick/Jim)
- Send out reminders of the 9/19/03 deadline (Rick/Jim)
- Information returned to EMA staff (by September 19)

Complete

Ahead

- New Letter Extending Deadline? April 1, 2004-drop dead!
- Some help for EMA staff on data aggregation?
- Initial organization and review of the data (Abdul C, Bill K, Dave S and Mark R volunteered to do this)
- Detailed review of the data and initial proposal for chemical limits by task force-target for June HDEOCP final acceptance.
- Build consensus for chemical limits within task force in early November. Now revised to April-June 2004.