Turbo-Coking and close crankcase task-force report to HDEOCP on February 19th 2003

Brain Storming Ideas

- OM 441LA and MTU deposit test
- Caterpillar C-12 with closed crankcase
- Caterpillar C-12: measure blow-by
- Caterpillar C-12: direct blow-by to a deposit surface
- Caterpillar C-12 filter system
- Caterpillar C-12 measures oil consumption
- Oil consumption effective by Noack
- DC TEOST test at 33 degrees C with oil mist and aluminum parts

Box-In with Chemical limits

- 13% Noack
- Possible chemical limits on Ash; P and S
- Limits oil formulating effects
- Focus is on deposits and oil consumption



Need OEM inputs

- Caterpillar's opinion on filter use or open crankcase for test.
- Caterpillar's opinion on test with closed crankcase
- Cummins, Mack and Navistar's approach to the problem
- Literature search on the problem
- Cummin's Turbo charger group opinions

Action Items

 Need to search data base on OM 441LA on good and poor performing oils in regard turbo-charger deposits.

Need to correlate any bench test to engine test.

