

M11 EGR Test Matrix Status

Presentation to
HDEOCP
May 25, 2001
David M Stehouwer

M-11 EGR Test Matrix Status

- **OAII** runs on Oil E are Complete
- Only 3 runs remain
- **Expect Matrix completion no later than 6/18**

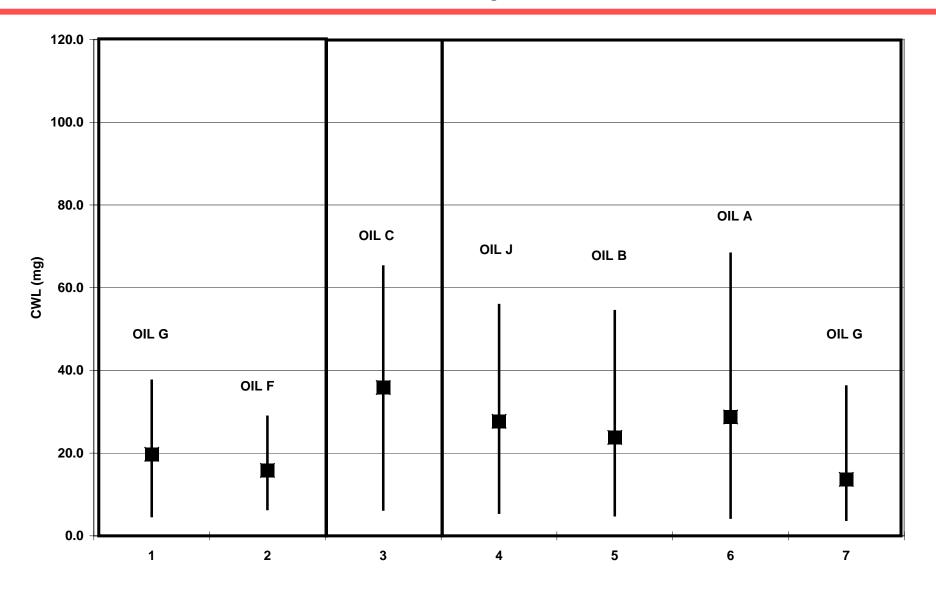
Cummins Inc. M11 - EGR Test Matrix Design Featured Oil E					
Lab 1		Lab 2	Lab 3		Lab 4
1	2	3	4	5	6
E	E	E	E	E	E
Н	E	Н	В	Е	В
Α	G	D	G	Α	D
F	С	С	F	J	J
E			Е		
		Complete Pending			

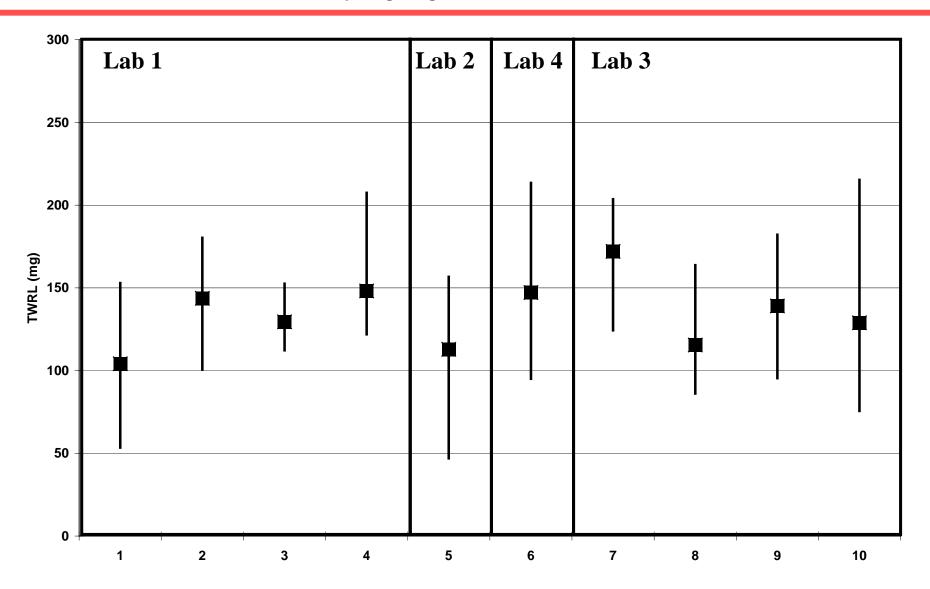
M11 EGR: Status of Data Analysis

- OFull data sets from 16 of 26 runs
- O7 additional runs are completed and in process

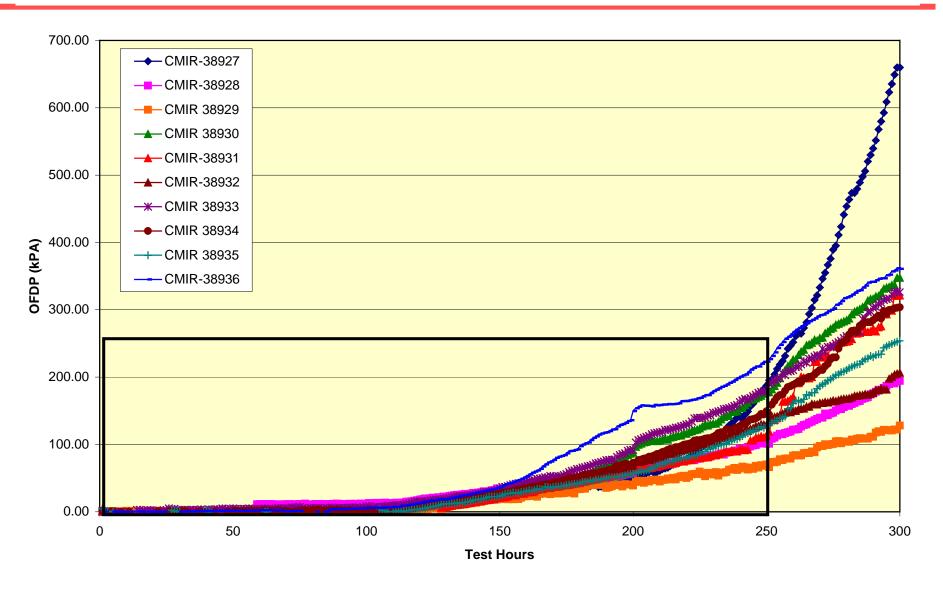
David M Stehouwer, Cummins Inc.

Crosshead Weight Loss



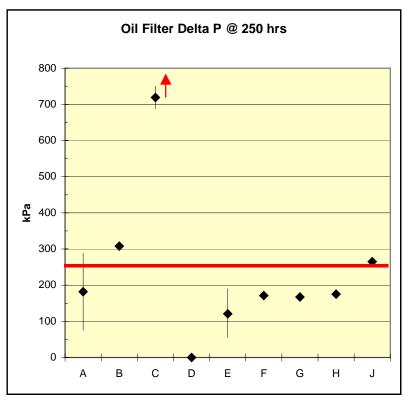


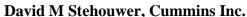
PC9 Matrix Data Oil E, Corrected & Normalized

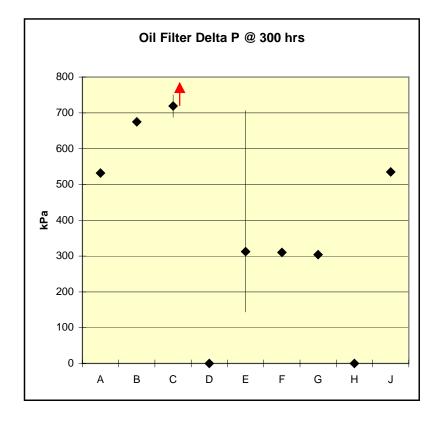


M11 EGR: Filter Delta P Matrix Results

- Apply HST correction factor
- OReport 250 hr and 300 hr corrected DP
- O Plots show range and mean
- O Set limit at 250 hr





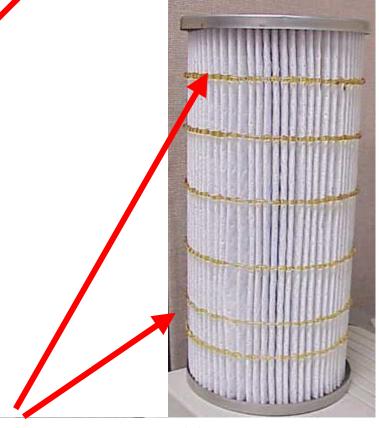


Filter Modification

- SWRI will run oil E with modified filter
- Surveillance Panel to review proper action

Shifting pleats cause loss of flow area





Hot-melt beads stabilize pleats