

Caterpillar Surveillance Panel

Conference Call 11/20/2014 12:30PM CST

Attendance:

Jim Gutzwiller
Martin Thompson
Elisa Santos
Andrew Stevens
Kevin O'Malley
Michael Conrad
Chris Porter
Hind Abi-Akar
Jim Moritz
Adam Roig
Mey Dewey
Mark Cooper
Jim Rutherford
Sean Moyer
Pat Fetterman
Jim McCord
Mike Alessi

Agenda Items:

Continue discussion on the 1N correction factor analysis.
CAT C13 Second Ring Deposits
C13 Valve Guide Results

Old Business

1P Liner update- Not Discussed

Discussion Items:

1N Connection Factor

Elisa Santos Presentation on Data Analysis and potential outcomes

Document ** Oct 21st 1N Evaluating the impact** with added slides



Oct 21st 1N
Evaluating the impact

Weighted Demerits: WDN

The new liner (1Y3998) seems to be slightly mild compared to the previous liner on the 809 reference oil. Reference oil 811-1 and 811-2 do not show the same shift. If an ICF is adopted it would be applied to all oils.

It was discussed that an ICF may be inappropriate to apply to all oils since it only represents the performance of one reference oil.

This topic was tabled to see if a correction can be made that applies more to lower WDN levels than higher.

Oil Consumption

This was discussed and is under further review.

Updates to Forms

The priority on recent recommended changes to the report forms should focus on the work for the COAT development. If this slightly delays the finalized changes for the 1N it is acceptable.

C13 Second Ring Deposits

The original targets for this parameter were set after the workshop. This may have included variations in lab to lab ratings. Some of the deposits were rated individually as heavy and light. Others were combined together. At that time rings were cleaned to obtain ring weights so they could not be re-rated.

There is a reference completing at Lab G 11/21/2014. This data should be included due to the low N size of results. The study will be re-visited and compiled from the start of the mild trend through the most recent tests.

Candidate data from ACC plots will be reviewed to see if changes should focus on ICF or reference targets.

Several different scenarios will be discussed. These may include an ICF, a shift in the target, an expansion of the Yi limit or declaring the parameter not critical for references.



C13 CF exploration
2nd ring top carbon v

New Valve Guides

Two recent references from SwRI showed no obvious severity impact between new and old valve guides. The IAR reference on the new valve guides looks on target through 450 hours.

Motion Jim Moritz Second Martin Thompson

The new valve guides (guides 268-2953 and stem seals 163-2478) will be used on engines built after 11/20/2014.

Waives: TMC Opposed: 0