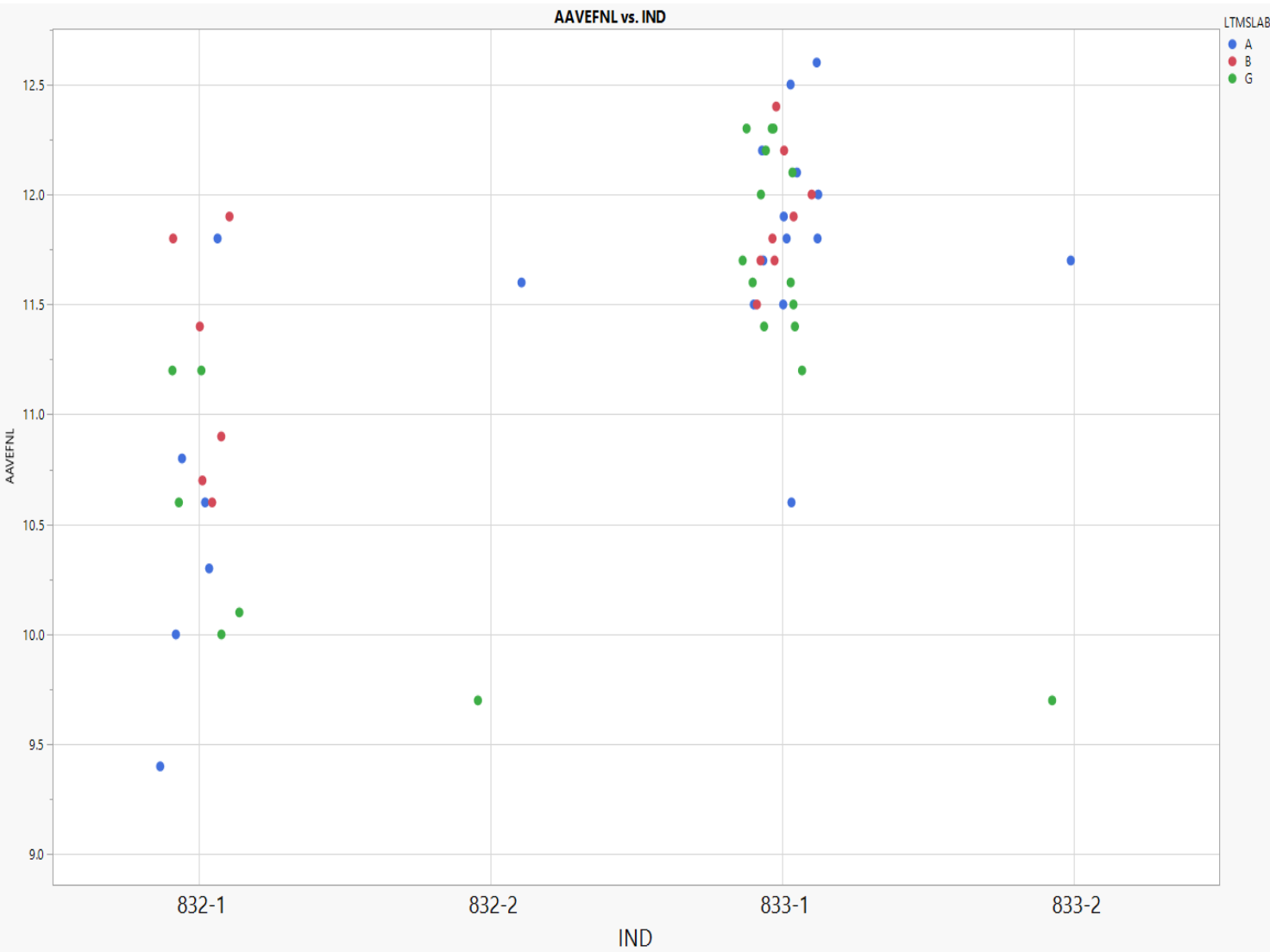


Caterpillar Surveillance Panel
Meeting April 22nd 2024

Agenda

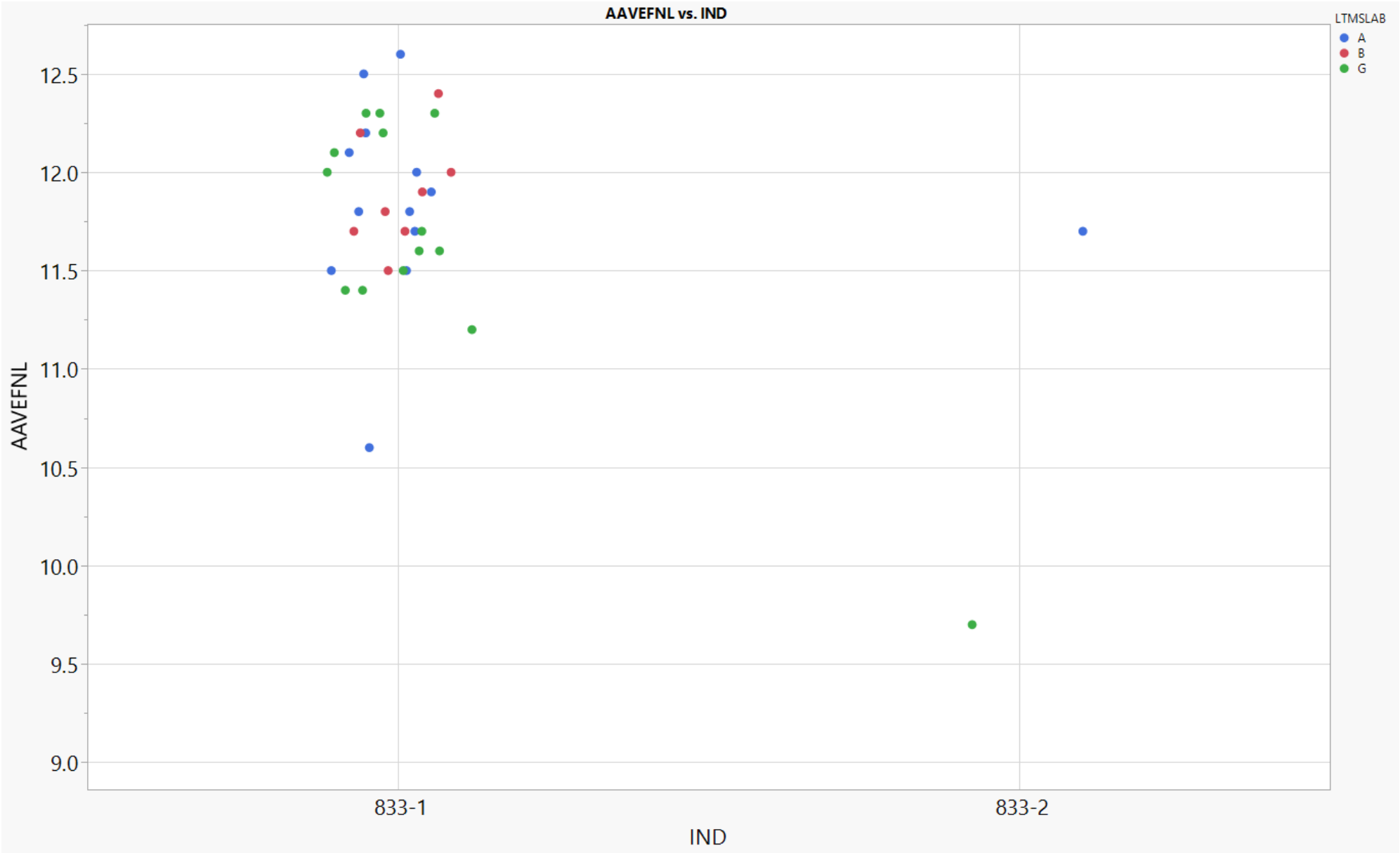
- 1) COAT New Reference Oil and 1005-6 data review
- 2) C13 Ring Weight Loss, motion revisit and revote
- 3) C13 Deposit test procedure corrections
- 4) AOB

New Reference Oil Results

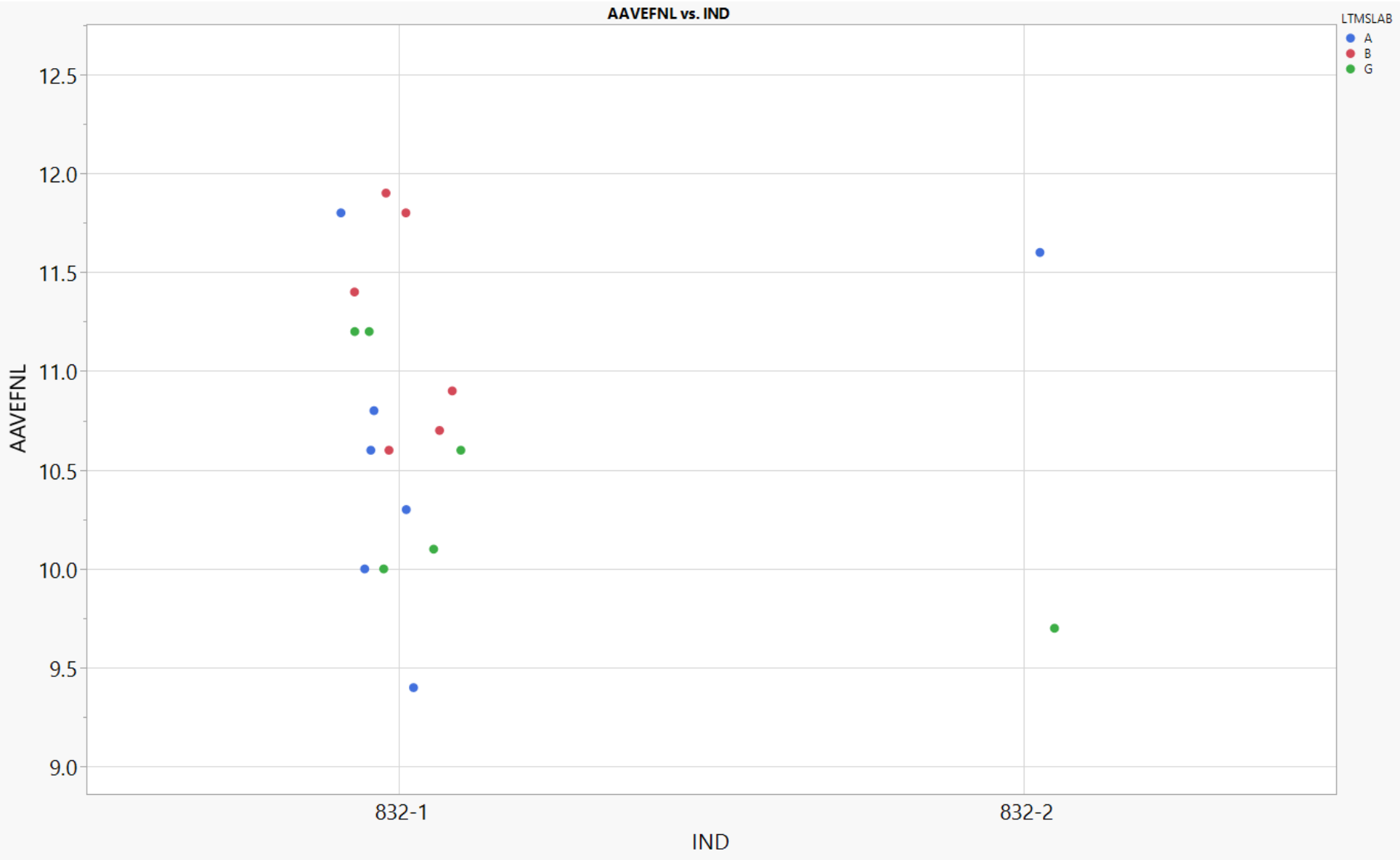


- Lack of discrimination observed between 833-2 and 832-2 at both labs
- Lab G is running milder than expected on both new reference oils
- Latest 833-1 reference at Lab G much closer to target at 12.2 for AAVEFNL (833-1 target 11.94)

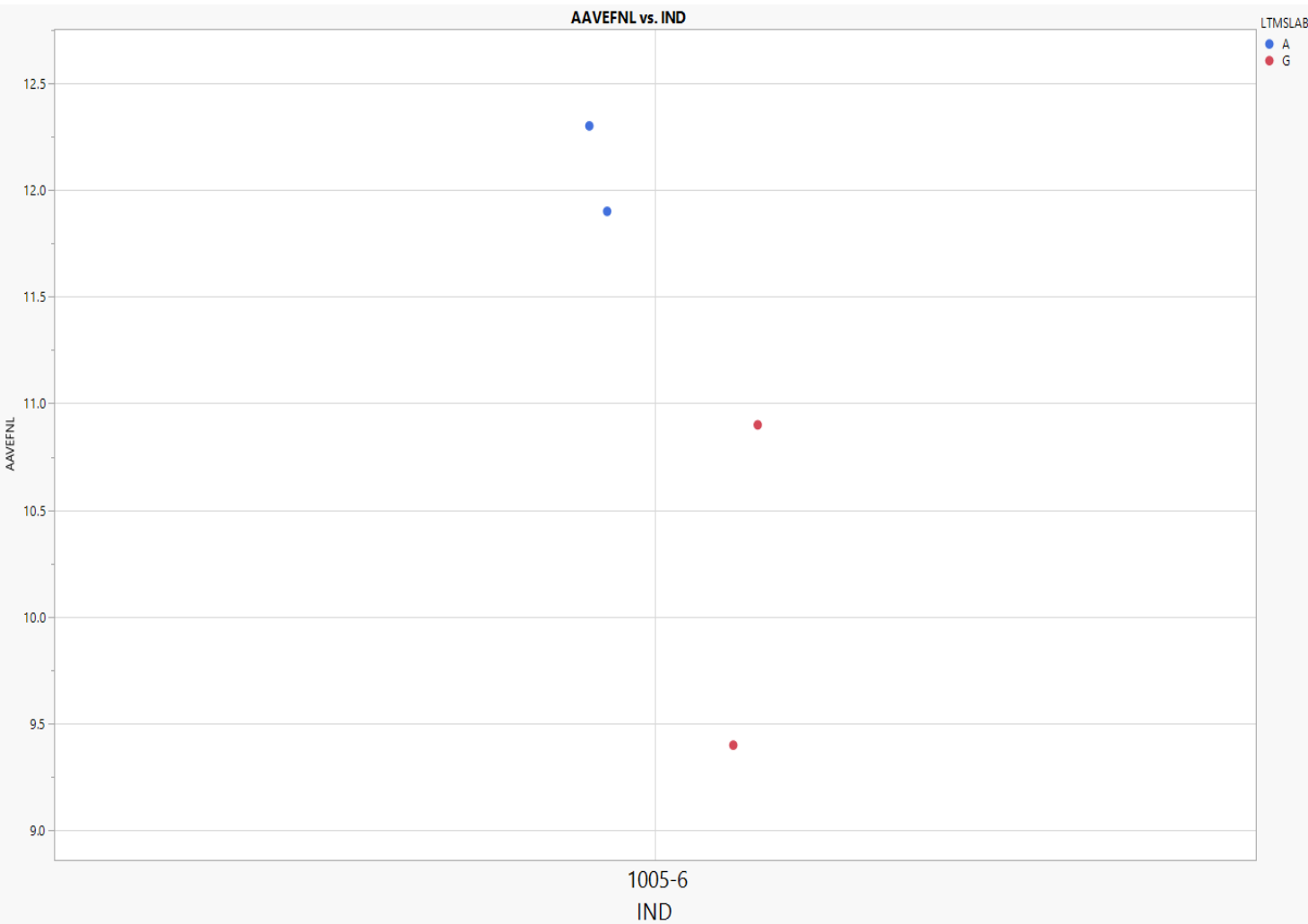
Reference Oil 833-1 and 833-2 Results



Reference Oil 832-1 and 832-2 Results

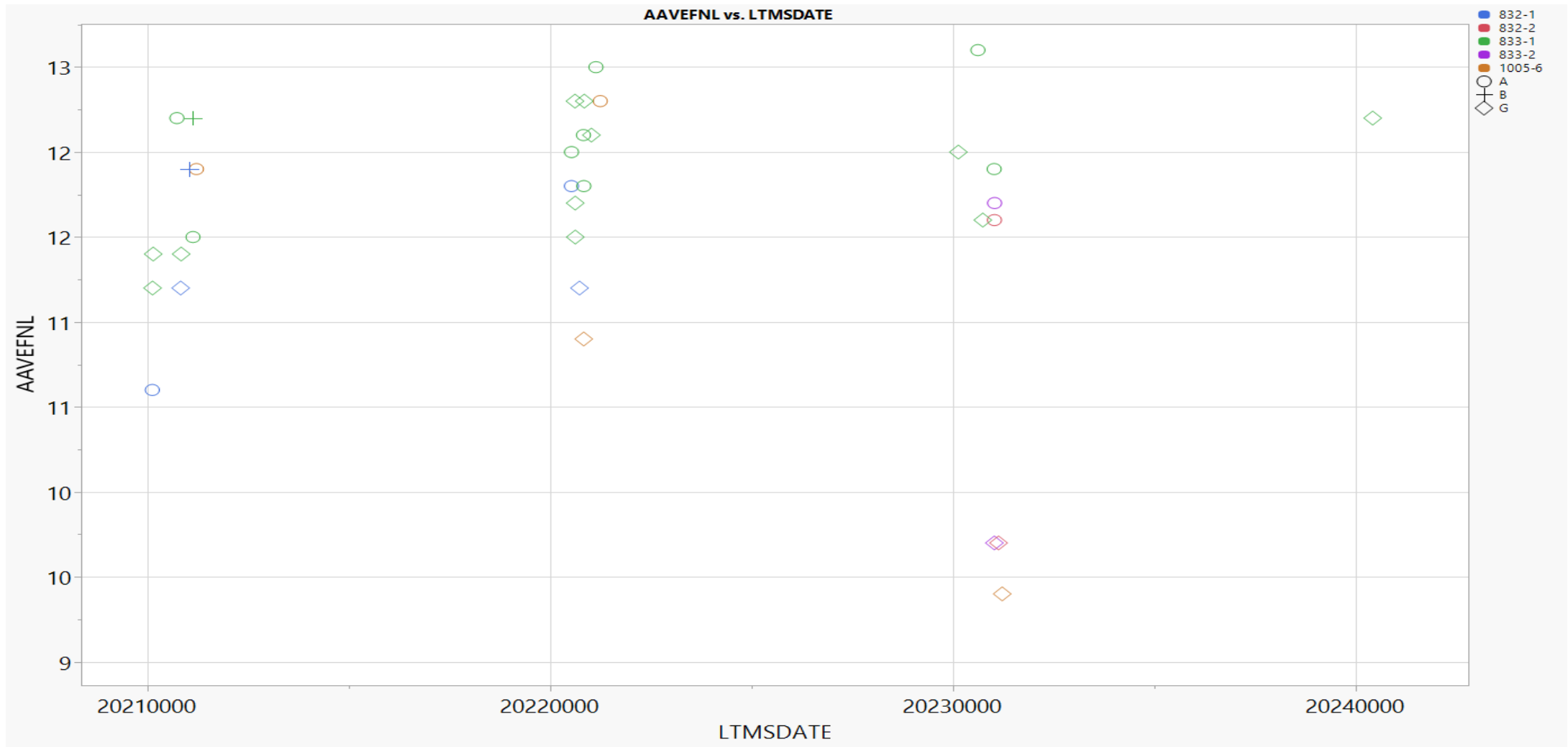


COAT / EOAT 1005-6 Results



- Four total runs completed to date
- Latest datapoint from Lab G came in very low
 - Run at the same timeframe as mild results on 833-2 and 832-2
- Operational review needs to be completed
- 2 runs remaining to complete matrix

Final Aeration Vs LTMS Date



Operational review of New Reference oil runs, recent 833-1 runs and 1005-6 runs to be completed

C13 Top Ring Weight Loss

Initial Motion:

Mark Jarrett made a motion to add top ring weight loss as a record only parameter to the C13 deposit test procedure as well as the data dictionary and report forms. Top ring weight loss will be measured following the T12 procedure. This will be implemented once data dictionary and report forms have been updated and the information letter has been sent out.

Proposed Amended Motion:

Add top ring weight loss as a record only parameter to the C13 deposit test procedure as well as the data dictionary and report forms. Top ring weight loss will be measured following the T-12 pre and post test preparation procedure excluding the outlier screening requirements in reporting. This change will be implemented once data dictionary and report forms have been updated and the information letter sent out.

C13 Deposit Test Procedure Edits

Motion from Sean Moyer

Therefore I make the motion to change section A13.1.4 from:

A13.1.4 If $\max |T_{\text{Offsetpiston}}| / S_{\text{DTGCO}} \geq 1.887$, the outlier screened average top groove carbon is identical to the average top groove carbon from A13.1.1.

to:

A13.1.4 If $\max |T_{\text{Offsetpiston}}| / S_{\text{DTGCO}} \leq 1.887$, the outlier screened average top groove carbon is identical to the average top groove carbon from A13.1.1.