



07/08 AOF Test Check Program Monthly Report

Round 9

August 2008

1/8/2008 – 31/8/2008

Result Receival Dates

	AUGUST
Lab Code	
B	22-Jul-08
F	25-Jul-08
I	01-Aug-08
K	05-Aug-08
M	06-Aug-08
J	07-Aug-08
A	13-Aug-08
E	18-Aug-08
G	26-Aug-08
D	28-Aug-08
H	28-Aug-08
N	29-Aug-08
L	01-Sep-08
C	02-Sep-08
O	NOT RECEIVED

*Just a reminder to get results in promptly

Discussion of Results**Test Weight**

Lab C submitted results significantly far from the mean and produced the highest average absolute difference of 1.02. Lab K also submitted results with a high average absolute difference of 0.91.

Impurities

Lab B submitted an outlier recording 2.39 for sample 2. Lab G also submitted an outlier 3.0 for sample 3 and produced the highest average absolute difference for the second consecutive round.

Oil Rapid

Lab A submitted results significantly far from the mean for all three samples and produced the highest average absolute difference of 1.45. Labs C and H produced significantly lower results for Oil Rapid. They also generated high average absolute differences 0.90 and 0.93.

Oil Solvent

Lab G produced an outlier for sample 3, generating a very high average absolute difference of 3.16. Note that results produced for Oil Solvent for lab G were significantly lower than that submitted for the other Oil methods.



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Oil Solvent (AOCS Method Am 2-93)

Lab G produced the highest average absolute difference of 1.13. This was mainly due the lab producing lower result for all three tested samples.

Oil SFE

No labs submitted results for Oil SFE this round.

Moisture Oven

The result produced by lab D for sample 3 was significantly far from the mean recording a mean difference 0.88. Lab D generated outlier for this method for the second consecutive time. Lab N also produced outlier for sample 2. The results generated by lab N for all three samples were lower than the mean resulting in average absolute difference of 0.44. Labs E, I and M achieved the best results with the lowest average absolute differences. Well done.

Moisture Rapid

Lab A produced outlier for sample 3. The lab however submitted fairly accurate results for sample 1 and 2. Lab H also generated higher than other labs average absolute difference of 0.41

Oleic Oil

Lab B continues to produce outliers for Oleic Oil with outliers recording -2.24 for sample 3. The result submitted for samples 1 and 2 were also far from the mean, recording the highest average absolute difference of 1.59. Labs C and D also produced high average absolute differences of 1.33 and 1.42.

Linoleic Oil

Lab L produced an outlier for sample 1. Good results were achieved by the remaining participants.

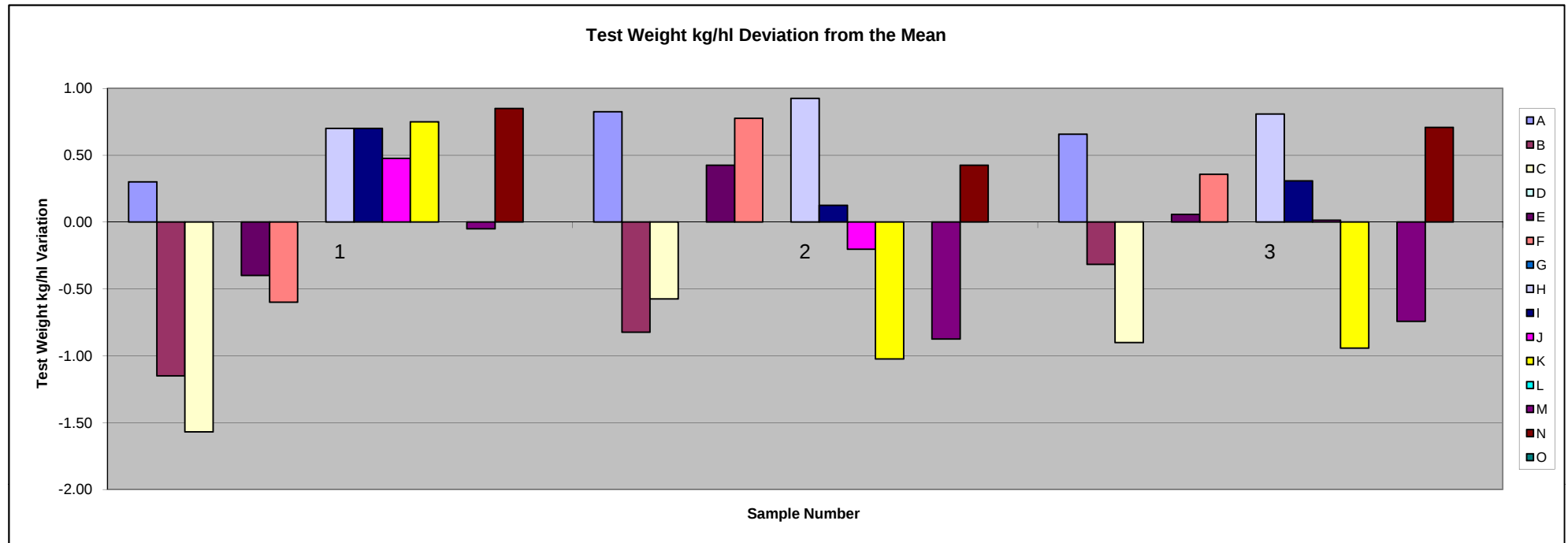
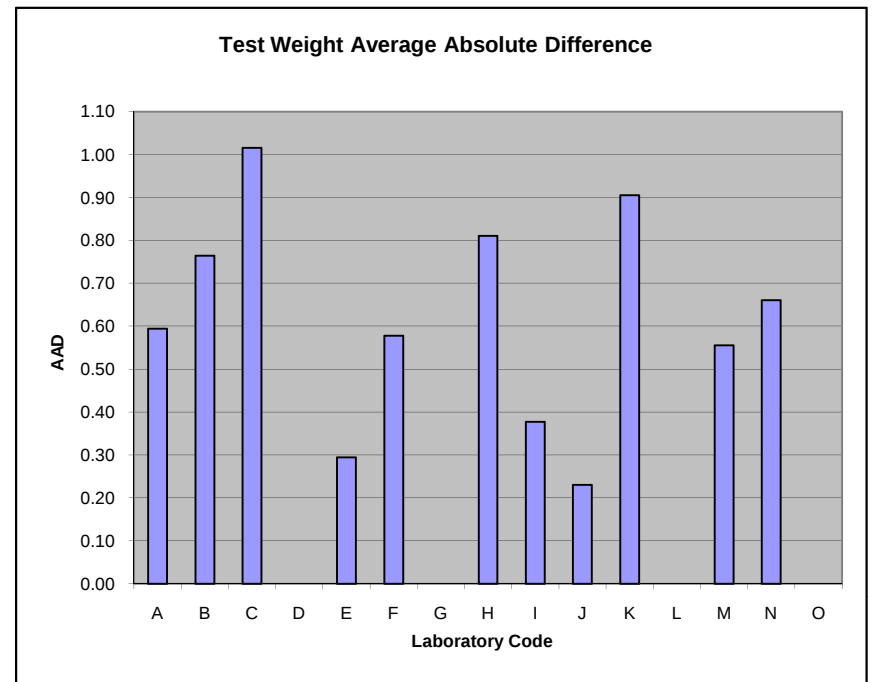
Free Fatty Acid

Lab C produced an outlier for sample 3. Lab E produced an outlier for sample 2 and also high differences from the mean in sample 1 and 3 which resulted in the highest average absolute difference of 0.79.

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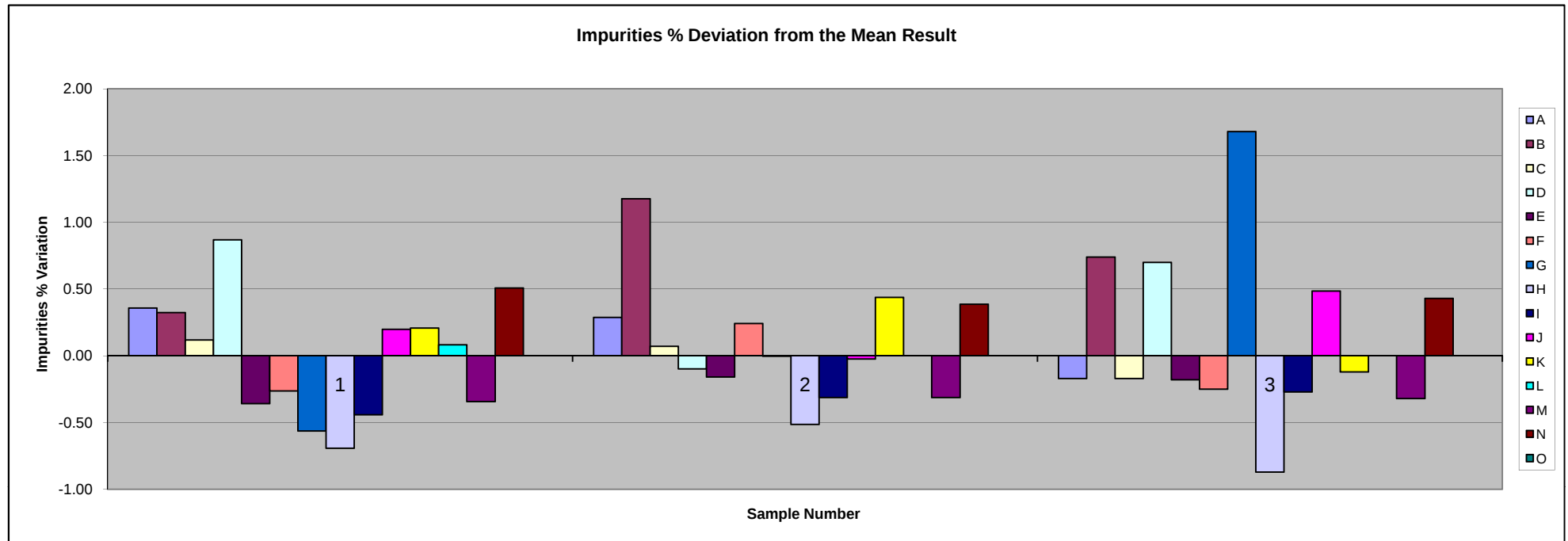
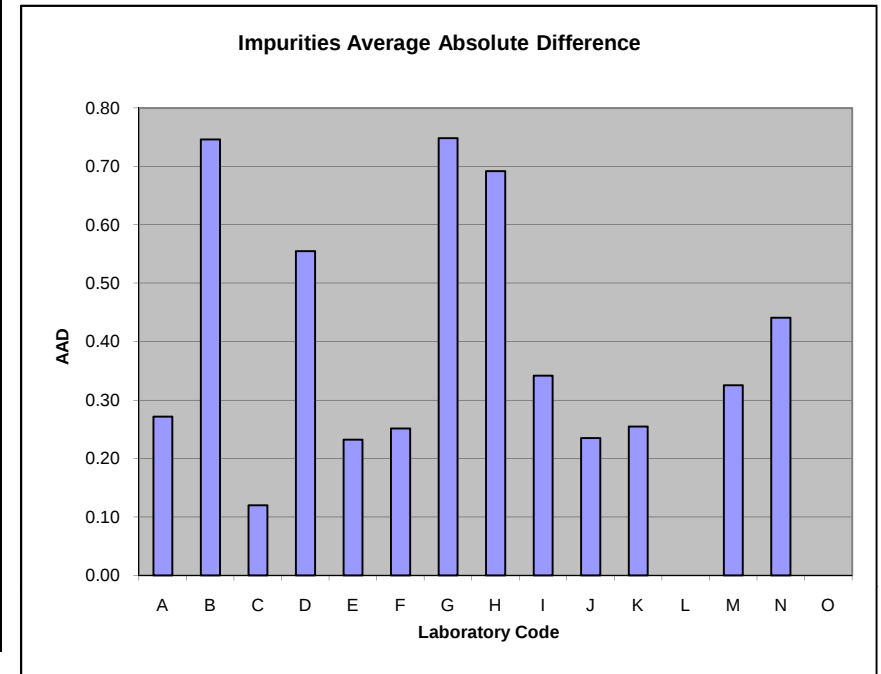
Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	67.70	0.30	66.90	0.83	68.60	0.66	0.59	0.59
B	66.25	-1.15	65.25	-0.82	67.63	-0.32	-0.76	0.76
C	65.83	-1.57	65.50	-0.57	67.04	-0.90	-1.02	1.02
D								
E	67.00	-0.40	66.50	0.43	68.00	0.06	0.03	0.29
F	66.80	-0.60	66.85	0.78	68.30	0.36	0.18	0.58
G								
H	68.10	0.70	67.00	0.93	68.75	0.81	0.81	0.81
I	68.10	0.70	66.20	0.13	68.25	0.31	0.38	0.38
J	67.88	0.47	65.87	-0.20	67.96	0.01	0.09	0.23
K	68.15	0.75	65.05	-1.02	67.00	-0.94	-0.41	0.91
L								
M	67.35	-0.05	65.20	-0.87	67.20	-0.74	-0.56	0.56
N	68.25	0.85	66.50	0.43	68.65	0.71	0.66	0.66
O								
MEAN	67.40		66.07		67.94			0.62
STDEV	0.83		0.73		0.65			



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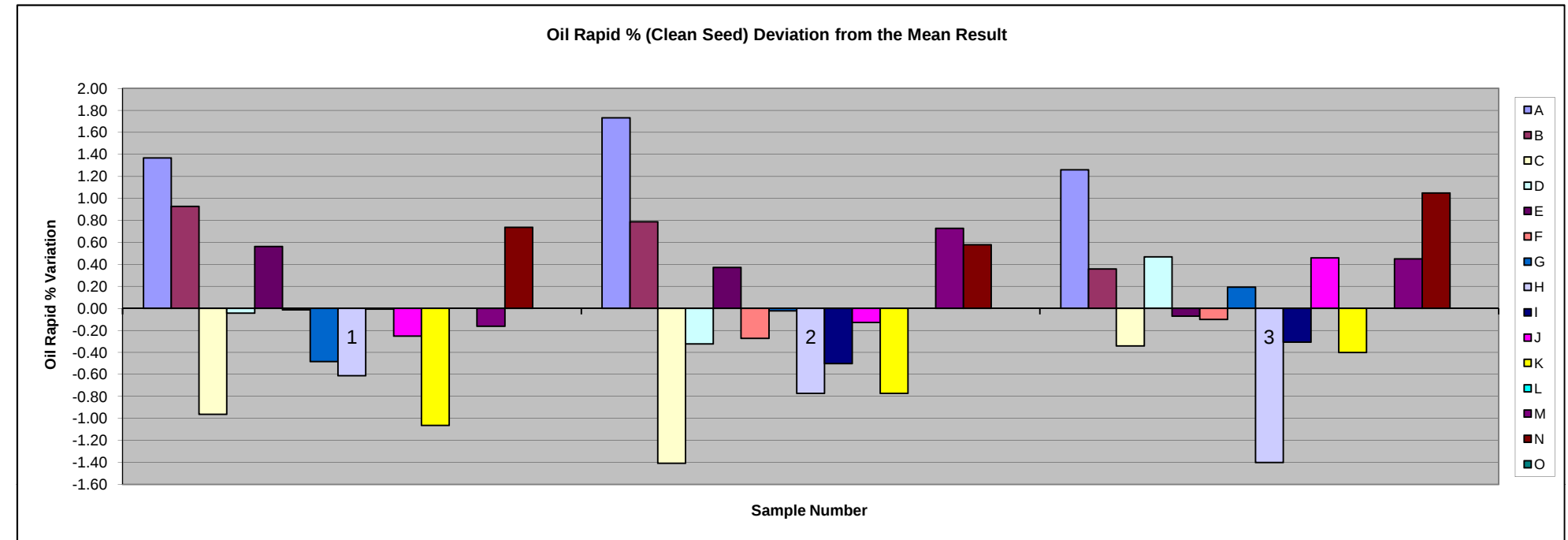
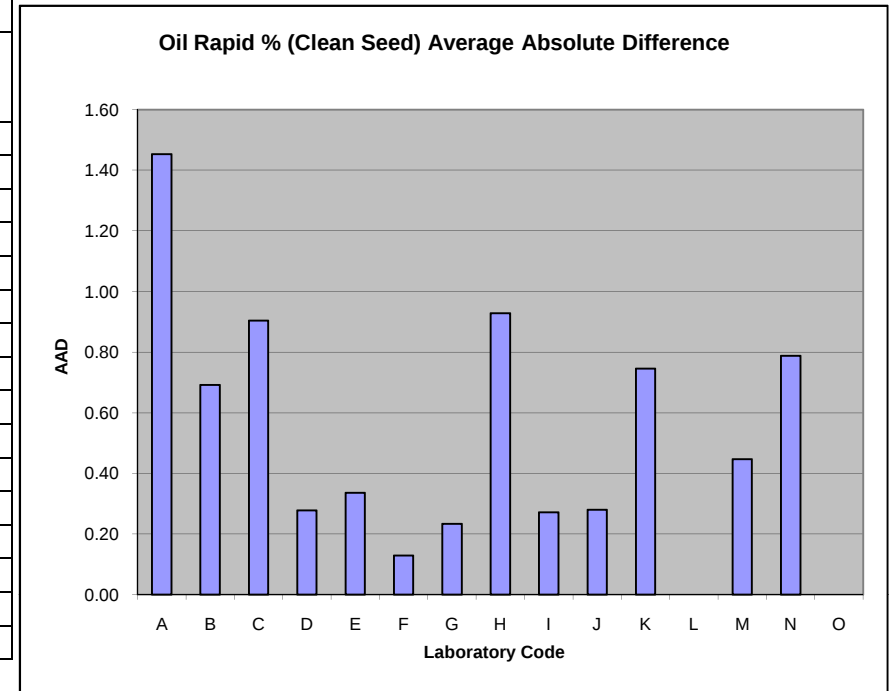
Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	1.75	0.36	1.50	0.29	1.15	-0.17	0.16	0.27
B	1.72	0.32	2.39	1.18	2.06	0.74	0.75	0.75
C	1.51	0.12	1.29	0.07	1.15	-0.17	0.01	0.12
D	2.26	0.87	1.12	-0.10	2.02	0.70	0.49	0.56
E	1.04	-0.36	1.06	-0.16	1.14	-0.18	-0.23	0.23
F	1.13	-0.26	1.46	0.24	1.07	-0.25	-0.09	0.25
G	0.83	-0.56	1.21	0.00	3.00	1.68	0.37	0.75
H	0.70	-0.69	0.70	-0.51	0.45	-0.87	-0.69	0.69
I	0.95	-0.44	0.90	-0.31	1.05	-0.27	-0.34	0.34
J	1.59	0.20	1.19	-0.02	1.81	0.48	0.22	0.24
K	1.60	0.21	1.65	0.44	1.20	-0.12	0.17	0.25
L	1.48	0.08						
M	1.05	-0.34	0.90	-0.31	1.00	-0.32	-0.33	0.33
N	1.90	0.51	1.60	0.39	1.75	0.43	0.44	0.44
O								
MEAN	1.39		1.21		1.32			0.40
STDEV	0.45		0.30		0.48			



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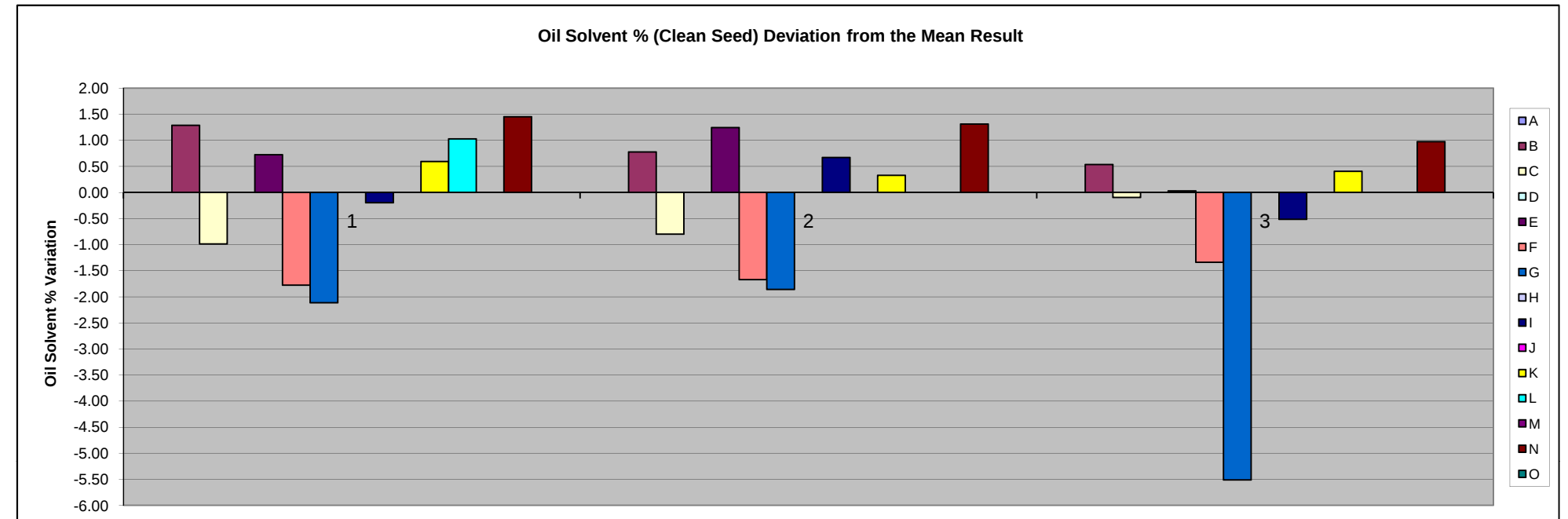
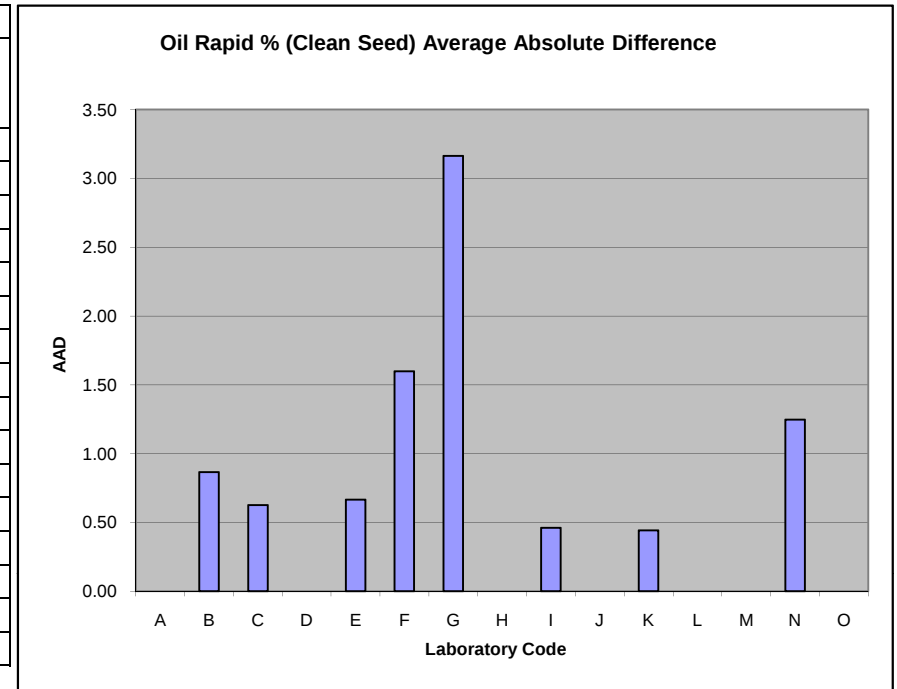
Round 9 Summary

Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	40.93	1.37	41.41	1.73	42.36	1.26	1.45	1.45
B	40.49	0.93	40.46	0.79	41.46	0.36	0.69	0.69
C	38.60	-0.96	38.27	-1.41	40.76	-0.34	-0.90	0.90
D	39.52	-0.04	39.35	-0.32	41.57	0.47	0.03	0.28
E	40.13	0.56	40.05	0.37	41.03	-0.07	0.29	0.34
F	39.55	-0.01	39.40	-0.27	41.00	-0.10	-0.13	0.13
G	39.08	-0.48	39.65	-0.02	41.30	0.19	-0.10	0.23
H	38.95	-0.61	38.90	-0.77	39.70	-1.40	-0.93	0.93
I	39.56	-0.01	39.17	-0.50	40.80	-0.31	-0.27	0.27
J	39.31	-0.25	39.55	-0.13	41.56	0.46	0.03	0.28
K	38.50	-1.06	38.90	-0.77	40.70	-0.40	-0.75	0.75
L								
M	39.40	-0.16	40.40	0.73	41.55	0.45	0.34	0.45
N	40.30	0.74	40.25	0.58	42.15	1.05	0.79	0.79
O								
MEAN	39.56		39.67		41.10			0.58
STDEV	0.73		0.83		0.64			



**AOF Test Check Program August 2007/2008
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Oil Solvent % (Clean Seed) Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.46	1.28	39.64	0.78	41.70	0.54	0.87	0.87
C	38.19	-0.99	38.06	-0.80	41.07	-0.09	-0.63	0.63
D								
E	39.90	0.72	40.10	1.24	41.19	0.03	0.67	0.67
F	37.40	-1.78	37.19	-1.67	39.82	-1.34	-1.60	1.60
G	37.06	-2.12	37.00	-1.86	35.65	-5.51	-3.16	3.16
H								
I	38.98	-0.20	39.53	0.67	40.65	-0.51	-0.01	0.46
J								
K	39.77	0.59	39.19	0.33	41.57	0.41	0.44	0.44
L	40.20	1.02						
M								
N	40.63	1.45	40.17	1.31	42.14	0.98	1.25	1.25
O								
MEAN	39.18		38.86		41.16			1.13
STDEV	1.34		1.27		0.76			

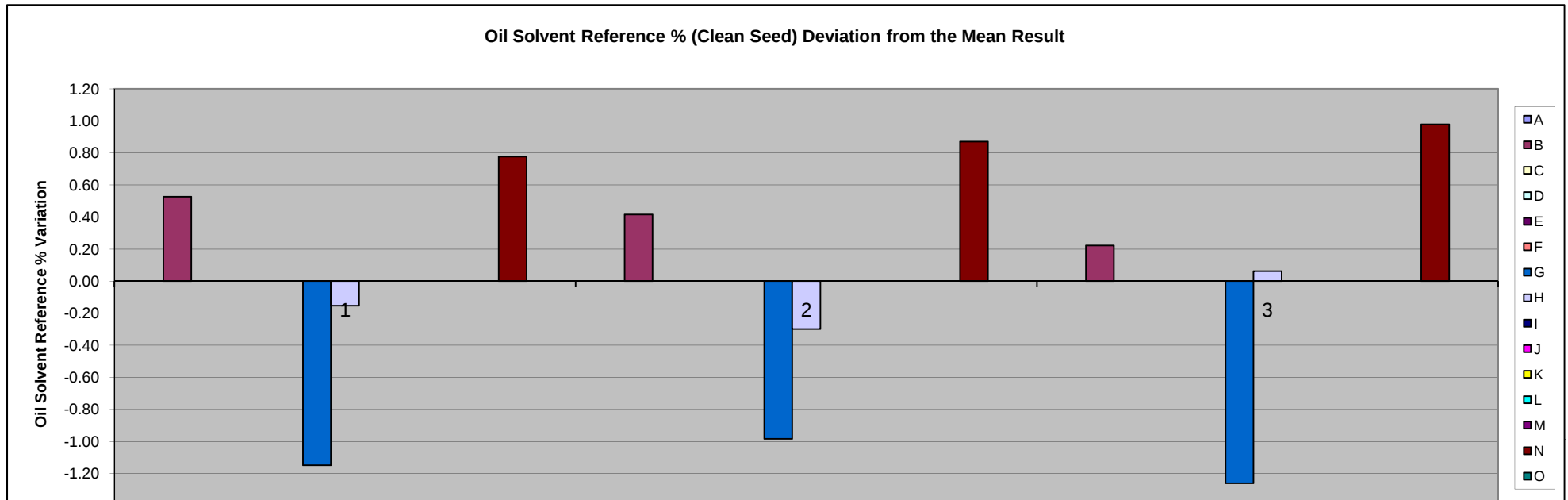
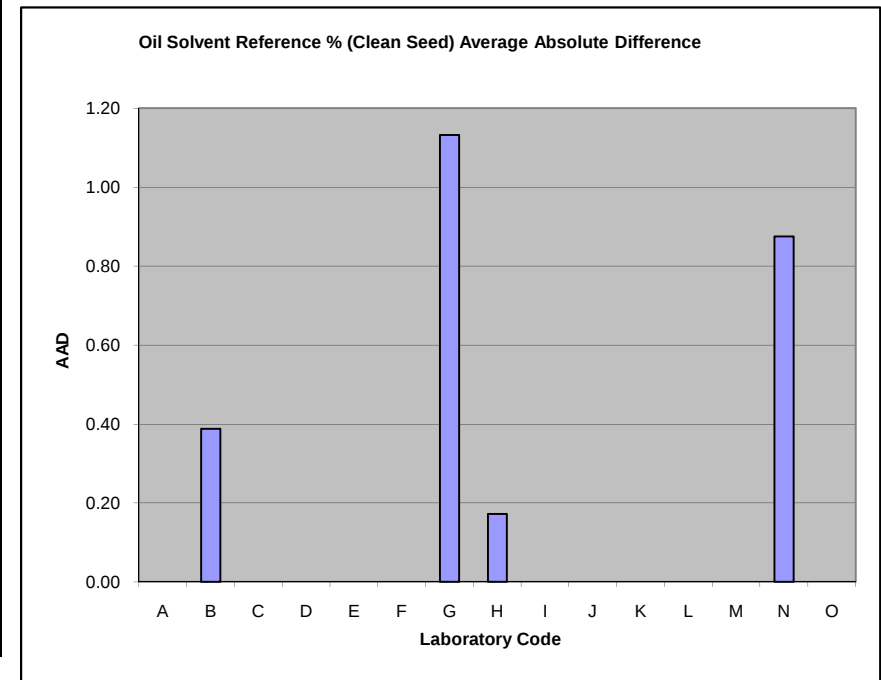


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Sample Number

Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.63	0.53	39.92	0.42	41.66	0.22	0.39	0.39
C								
D								
E								
F								
G	38.96	-1.15	38.52	-0.98	40.18	-1.26	-1.13	1.13
H	39.95	-0.15	39.20	-0.30	41.50	0.06	-0.13	0.17
I								
J								
K								
L								
M								
N	40.88	0.78	40.37	0.87	42.42	0.98	0.87	0.87
O								
MEAN	40.10		39.50		41.44			0.64
STDEV	0.86		0.81		0.93			

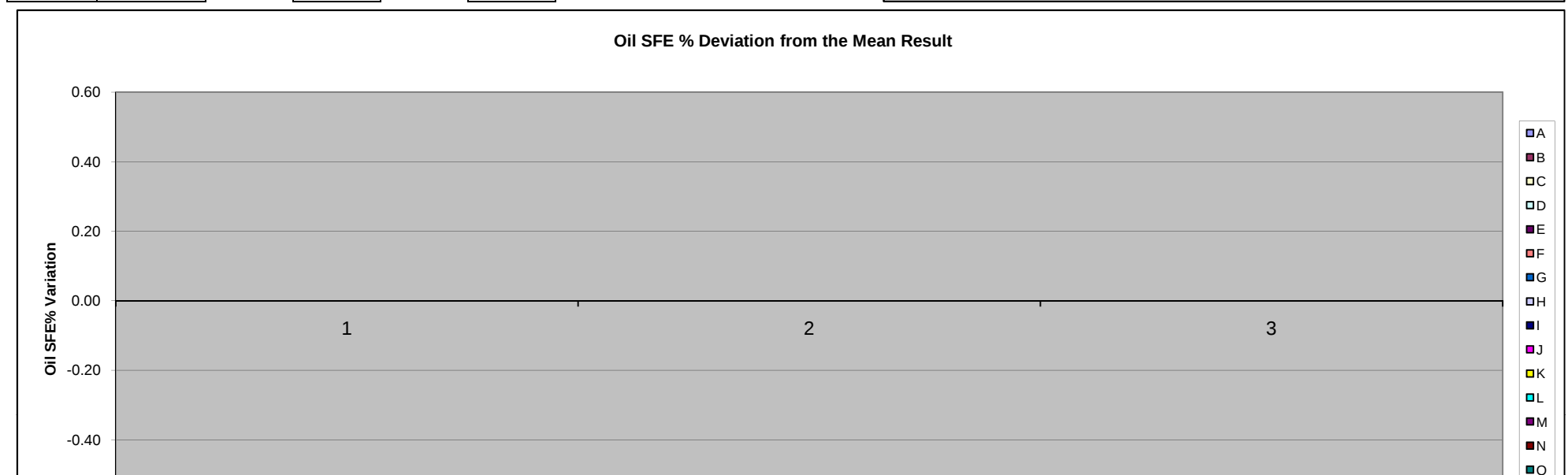
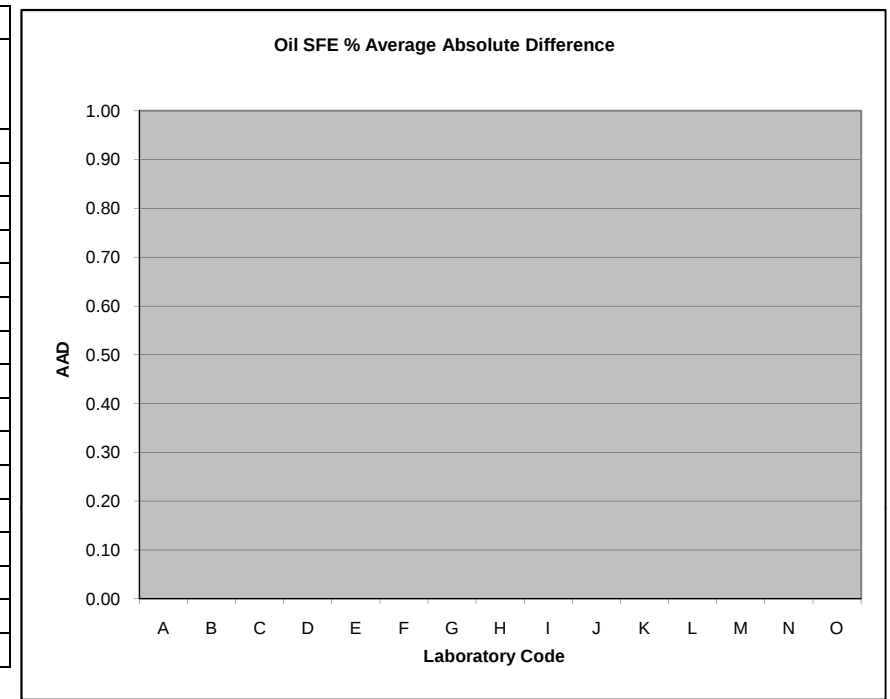


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-1.40

Sample Number

Oil SFE% Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B								
C								
D								
E								
F								
G								
H								
I								
J								
K								
L								
M								
N								
O								
MEAN	#DIV/0!		#DIV/0!		#DIV/0!			#DIV/0!
STDEV	#DIV/0!		#DIV/0!		#DIV/0!			

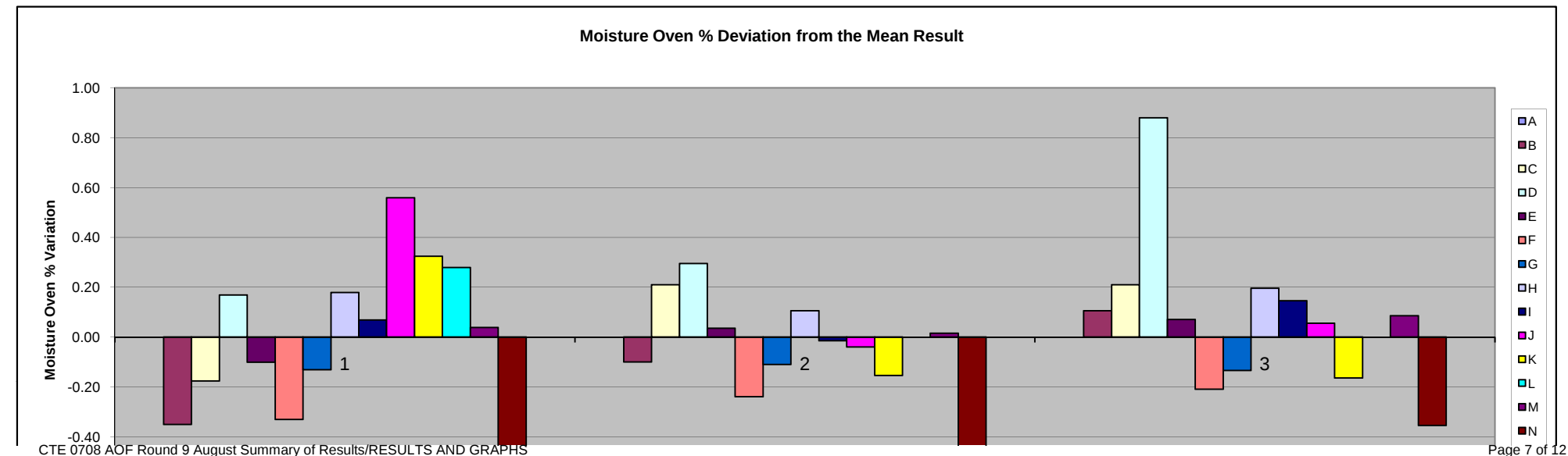
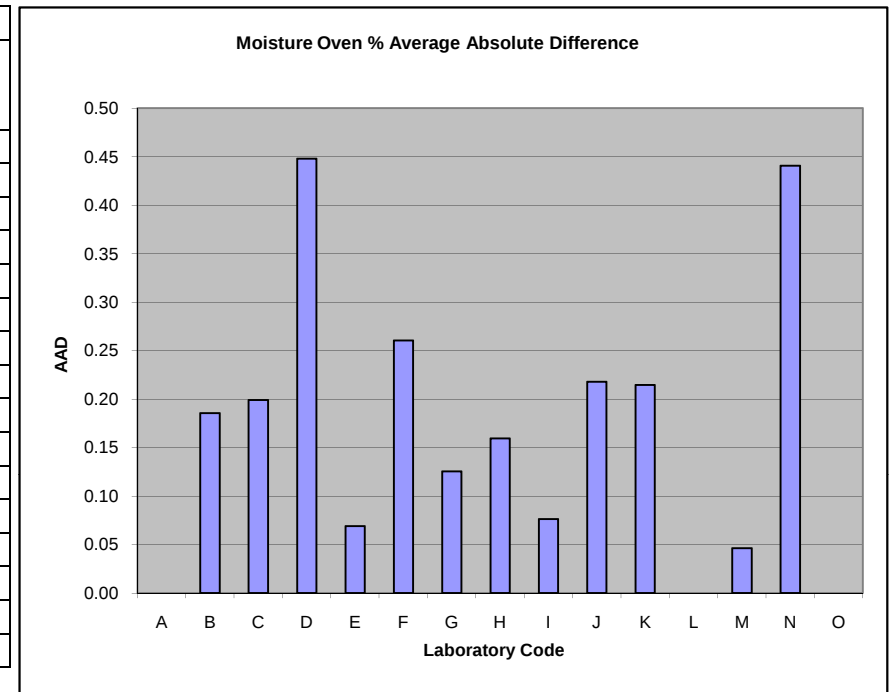


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-0.60

Sample Number

Moisture Oven % Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.12	-0.35	5.95	-0.10	4.96	0.11	-0.12	0.19
C	6.30	-0.18	6.26	0.21	5.07	0.21	0.08	0.20
D	6.64	0.17	6.34	0.29	5.74	0.88	0.45	0.45
E	6.37	-0.10	6.08	0.03	4.93	0.07	0.00	0.07
F	6.14	-0.33	5.81	-0.24	4.65	-0.21	-0.26	0.26
G	6.34	-0.13	5.94	-0.11	4.72	-0.13	-0.13	0.13
H	6.65	0.18	6.15	0.11	5.05	0.20	0.16	0.16
I	6.54	0.07	6.03	-0.02	5.00	0.15	0.07	0.08
J	7.03	0.56	6.01	-0.04	4.91	0.06	0.19	0.22
K	6.80	0.32	5.89	-0.16	4.69	-0.16	0.00	0.21
L	6.75	0.28						
M	6.51	0.04	6.06	0.01	4.94	0.09	0.05	0.05
N	5.95	-0.52	5.60	-0.45	4.50	-0.35	-0.44	0.44
O								
MEAN	6.47		6.05		4.86			0.20
STDEV	0.31		0.16		0.19			



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-0.60

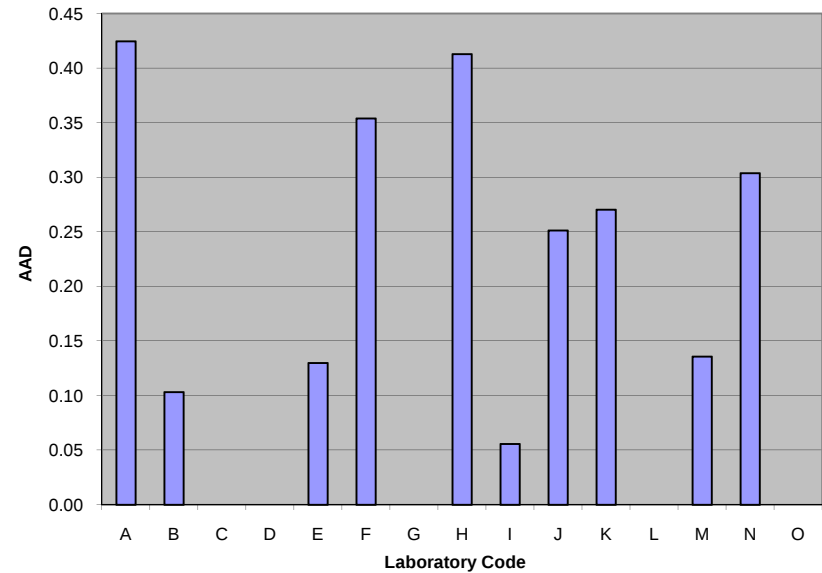
Sample Number



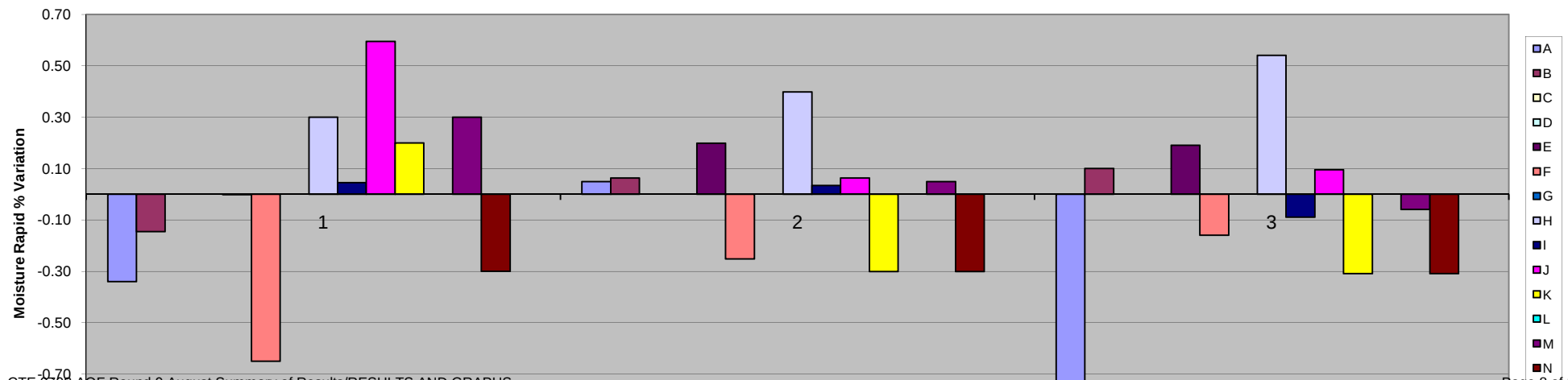
Moisture Rapid % Deviation from the Mean

	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.91	-0.34	5.85	0.05	3.98	-0.88	-0.39	0.42
B	6.11	-0.15	5.87	0.06	4.96	0.10	0.01	0.10
C								
D								
E	6.25	0.00	6.00	0.20	5.05	0.19	0.13	0.13
F	5.60	-0.65	5.55	-0.25	4.70	-0.16	-0.35	0.35
G								
H	6.55	0.30	6.20	0.40	5.40	0.54	0.41	0.41
I	6.30	0.04	5.84	0.03	4.77	-0.09	0.00	0.06
J	6.85	0.59	5.87	0.06	4.96	0.10	0.25	0.25
K	6.45	0.20	5.50	-0.30	4.55	-0.31	-0.14	0.27
L								
M	6.55	0.30	5.85	0.05	4.80	-0.06	0.10	0.14
N	5.95	-0.30	5.50	-0.30	4.55	-0.31	-0.30	0.30
O								
MEAN	6.25		5.80		4.86			0.24
STDEV	0.37		0.23		0.27			

Moisture Rapid % Average Absolute Difference



Moisture Rapid % Deviation from the Mean Result



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-0.90

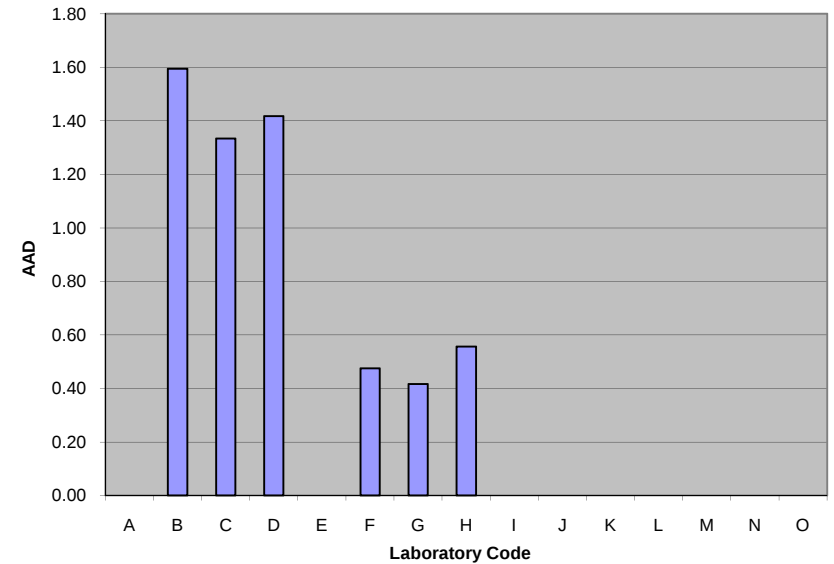
Sample Number

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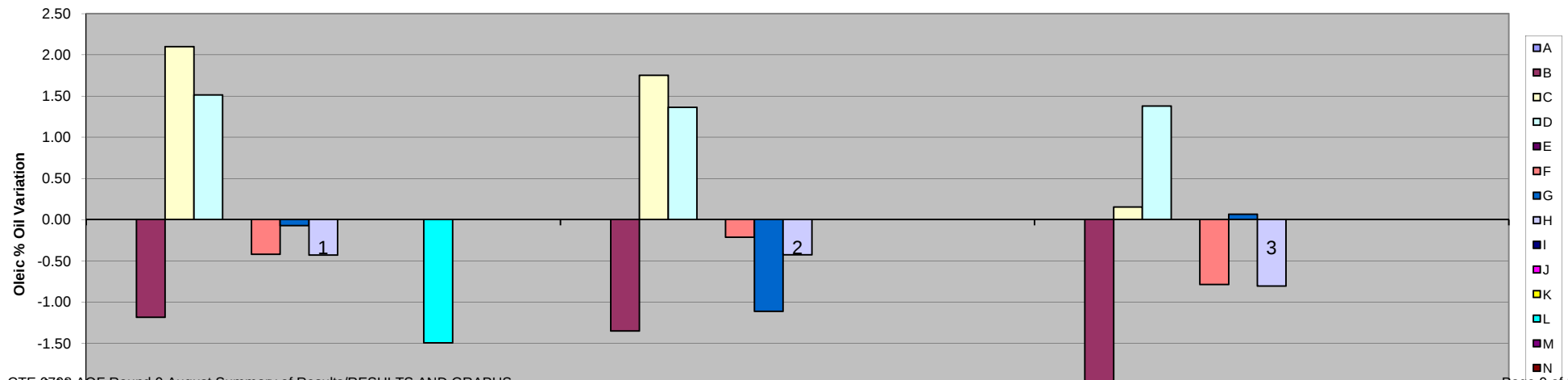
Oleic % Oil Deviation from the Mean

	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	57.44	-1.19	57.86	-1.35	57.70	-2.24	-1.59	1.59
C	60.72	2.10	60.97	1.75	60.09	0.15	1.33	1.33
D	60.14	1.51	60.58	1.36	61.32	1.38	1.42	1.42
E								
F	58.20	-0.42	59.00	-0.21	59.15	-0.79	-0.47	0.47
G	58.55	-0.07	58.10	-1.11	60.00	0.06	-0.37	0.42
H	58.19	-0.43	58.79	-0.43	59.13	-0.81	-0.56	0.56
I								
J								
K								
L	57.13	-1.50						
M								
N								
O								
MEAN	58.62		59.21		59.94			0.97
STDEV	1.34		1.28		0.89			

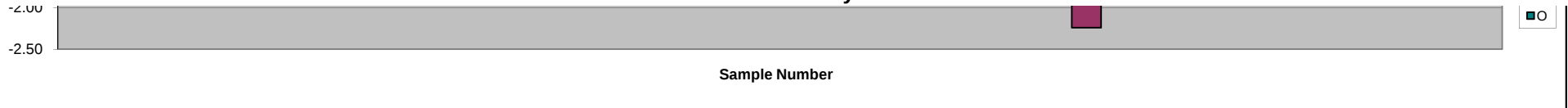
Oleic Oil % Average Absolute Difference



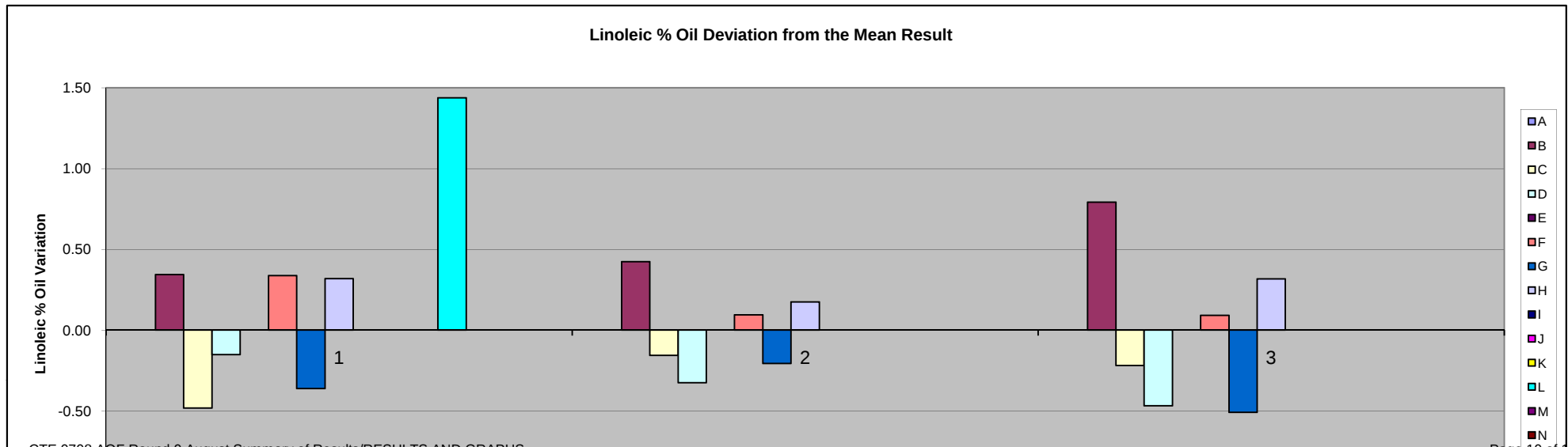
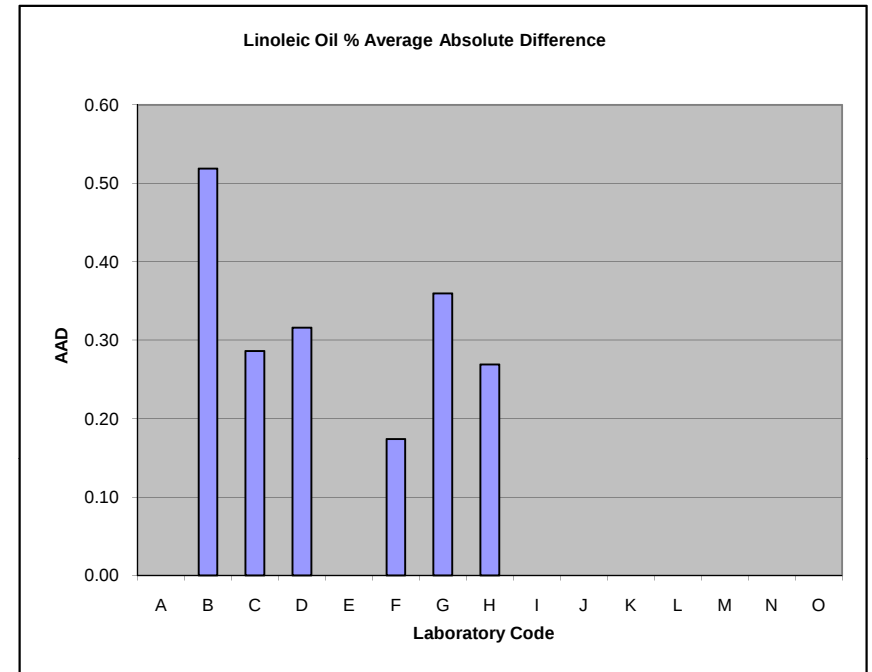
Oleic % Oil Deviation from the Mean Result



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Linoleic % Oil Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	21.41	0.34	21.03	0.42	21.40	0.79	0.52	0.52
C	20.58	-0.48	20.45	-0.16	20.39	-0.22	-0.29	0.29
D	20.91	-0.15	20.28	-0.33	20.14	-0.47	-0.32	0.32
E								
F	21.40	0.34	20.70	0.09	20.70	0.09	0.17	0.17
G	20.70	-0.36	20.40	-0.21	20.10	-0.51	-0.36	0.36
H	21.38	0.32	20.78	0.17	20.93	0.32	0.27	0.27
I								
J								
K								
L	22.50	1.44						
M								
N								
O								
MEAN	21.06		20.61		20.61			0.32
STDEV	0.38		0.28		0.50			



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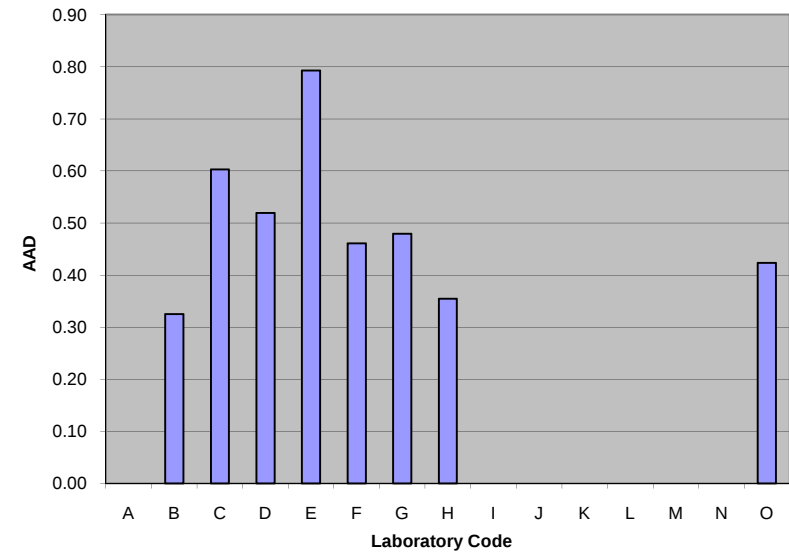
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Sample Number

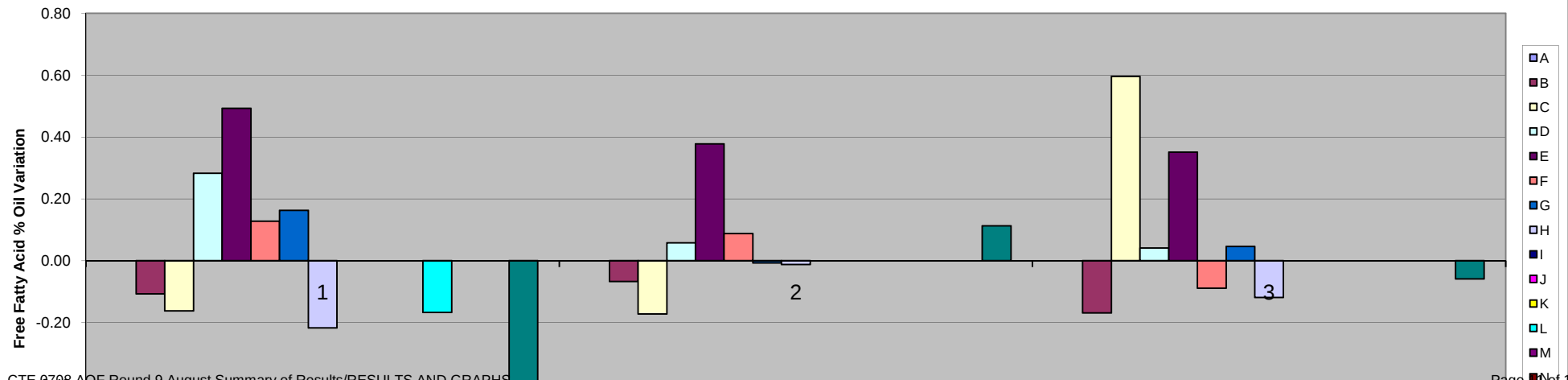
Free Fatty Acid % Oil Deviation from the Mean

	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	0.54	-0.11	0.83	-0.07	0.27	-0.17	-0.11	0.33
C	0.48	-0.16	0.73	-0.17	1.03	0.60	0.09	0.60
D	0.93	0.28	0.96	0.06	0.48	0.04	0.13	0.52
E	1.14	0.49	1.28	0.38	0.79	0.35	0.41	0.79
F	0.77	0.13	0.99	0.09	0.35	-0.09	0.04	0.46
G	0.81	0.16	0.89	-0.01	0.48	0.05	0.07	0.48
H	0.43	-0.22	0.89	-0.01	0.32	-0.12	-0.12	0.35
I								
J								
K								
L	0.48	-0.17						
M								
N								
O	0.23	-0.41	1.01	0.11	0.38	-0.06	-0.12	0.42
MEAN	0.64		0.90		0.43			0.49
STDEV	0.28		0.10		0.17			

Free Fatty Acid % Average Absolute Difference



Free Fatty Acid % Oil Deviation from the Mean Result



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