



**2012 AOF Test Check Program
Monthly Report
Round 8
August 2012
01/08/2012 – 31/08/2012**

Result Receival Dates

Lab Code	Date
A	22/08/2012
B	31/08/2012
C	31/08/2012
D	31/08/2012
E	15/08/2012
F	23/08/2012
G	31/08/2012
H	30/08/2012
I	13/08/2012
J	13/08/2012
K	15/08/2012
L	31/08/2012
M	22/08/2012
N	22/08/2012

Discussion of Results

Test Weight

Sample 1 – One outlier was identified for Lab **F** with a 0.08 percent discrepancy from the upper (68.43%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Impurities

Sample 1 – No outliers were observed.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **M** with a 0.18 percent discrepancy from the upper (1.28%) quartile limit.



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Oil Rapid

Sample 1 – Outliers were identified for Lab **A** and **D**. Lab A results were 1.42 of a percent discrepancy from the lower (46.17%) quartile limit. Lab D results were 0.62 of a percent discrepancy from the upper (47.18%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – Outliers were identified for Lab **A** and **D**. Lab A results were 1.38 of a percent discrepancy from the lower (44.88%) quartile limit. Lab D results were 0.39 of a percent discrepancy from the upper (46.03%) quartile limit.

Oil Solvent (ISO 659)

No outliers were observed for this analysis.

Oil Solvent Reference (AOCS Method Am 2-93 - FOSFA)

No outliers were observed for this analysis.

Moisture Oven

Sample 1 – One outlier was identified for Lab **D** with a 0.85 percent discrepancy from the upper (5.40%) quartile limit.

Sample 2 – One outlier was identified for Lab **D** with a 0.33 percent discrepancy from the upper (6.28%) quartile limit.

Sample 3 – Outliers were identified for Lab **D** and **E**. Lab D results were 0.37 of a percent discrepancy from the upper (6.93%) quartile limit. Lab E results were 0.23 of a percent discrepancy from the lower (6.27%) quartile limit.

Moisture Rapid

No outliers were observed for this analysis.



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Oleic Oil

Sample 1 – One outlier was identified for Lab **H** with a 1.04 of a percent discrepancy from the lower (60.85%) quartile limit.

Sample 2 – One outlier was identified for Lab **H** with a 0.82 of a percent discrepancy from the lower (53.47%) quartile limit.

Sample 3 – One outlier was identified for Lab **H** with a 1.19 of a percent discrepancy from the lower (57.34%) quartile limit.

Linoleic Oil

Sample 1 – Outliers were identified for Lab **F** and **L**. Lab F results were 0.10 of a percent discrepancy from the lower (17.85%) quartile limit. Lab L results were 0.25 of a percent discrepancy from the upper (18.28%) quartile limit.

Sample 2 – No outliers were observed.

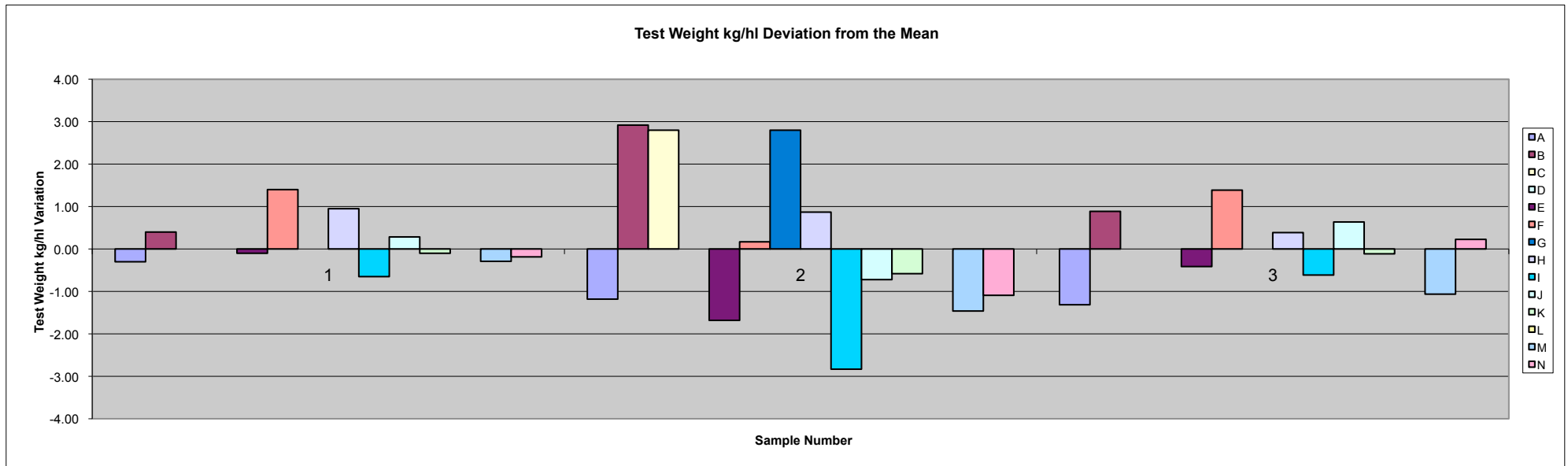
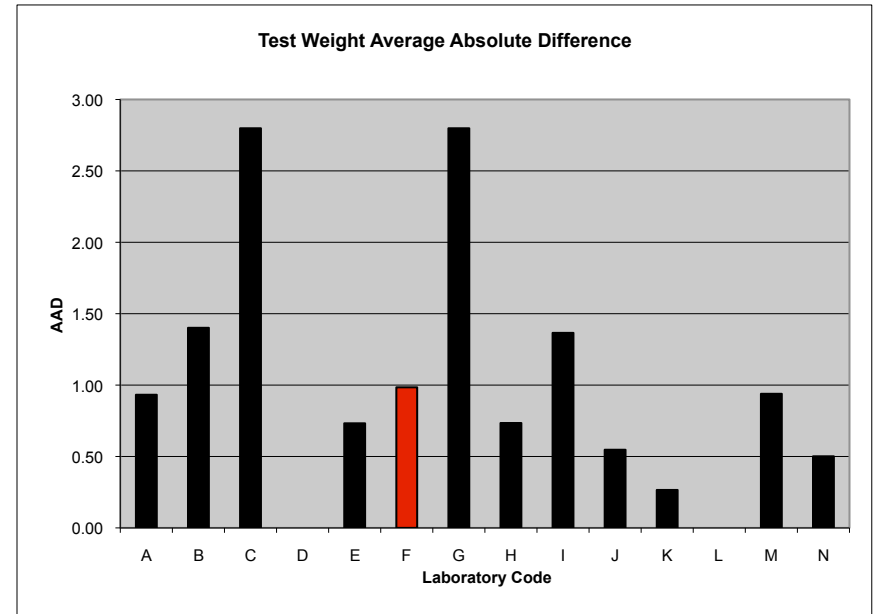
Sample 3 – No outliers were observed.

Free Fatty Acid

No outliers were observed for this analysis.

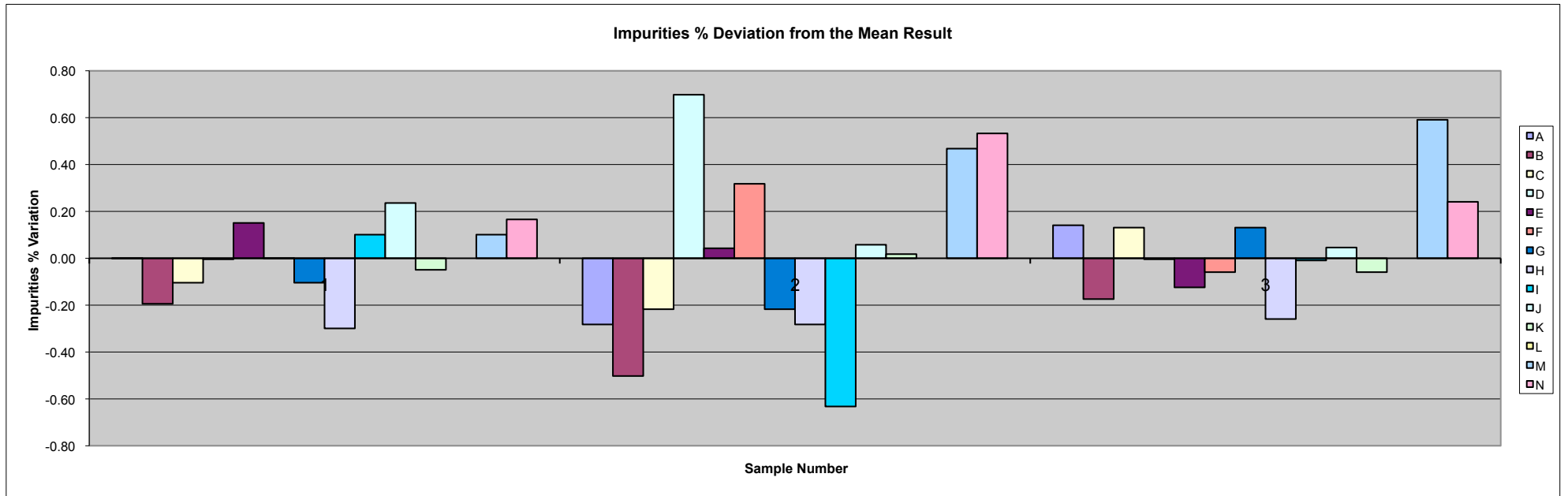
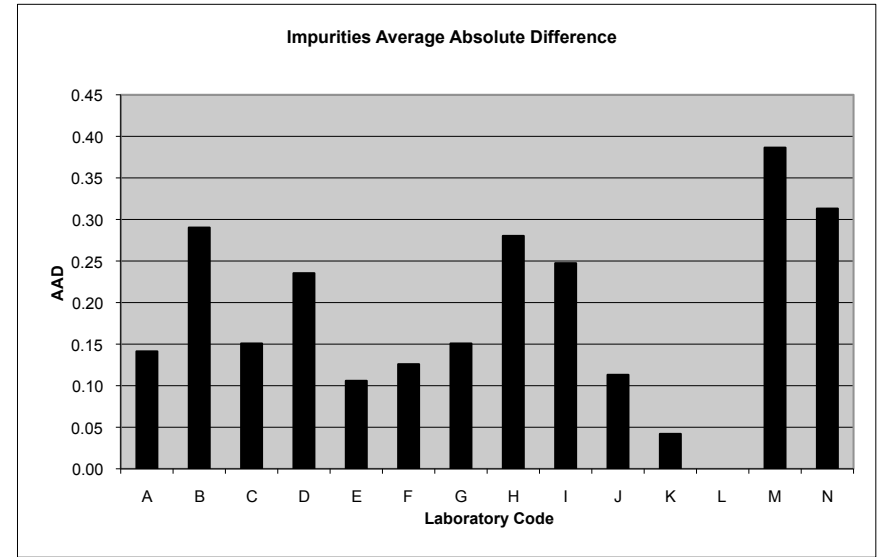
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Test Weight kg/hl								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	66.80	-0.30	62.40	-1.18	64.80	-1.31	-0.93	0.93
B	67.50	0.40	66.50	2.92	67.00	0.89	1.40	1.40
C			66.38	2.80			1.40	2.80
D								
E	67.00	-0.10	61.90	-1.68	65.70	-0.41	-0.73	0.73
F	68.50	1.40	63.75	0.17	67.50	1.39	0.98	0.98
G			66.38	2.80			2.80	2.80
H	68.05	0.95	64.45	0.87	66.50	0.39	0.73	0.73
I	66.45	-0.65	60.75	-2.83	65.50	-0.61	-1.37	1.37
J	67.39	0.28	62.86	-0.72	66.75	0.64	0.07	0.55
K	67.00	-0.10	63.00	-0.58	66.00	-0.11	-0.27	0.27
L								
M	66.81	-0.29	62.12	-1.46	65.05	-1.06	-0.94	0.94
N	66.92	-0.19	62.49	-1.09	66.34	0.23	-0.35	0.50
MEAN	67.10		63.58		66.11			1.17
STDEV	0.47		1.94		0.86			



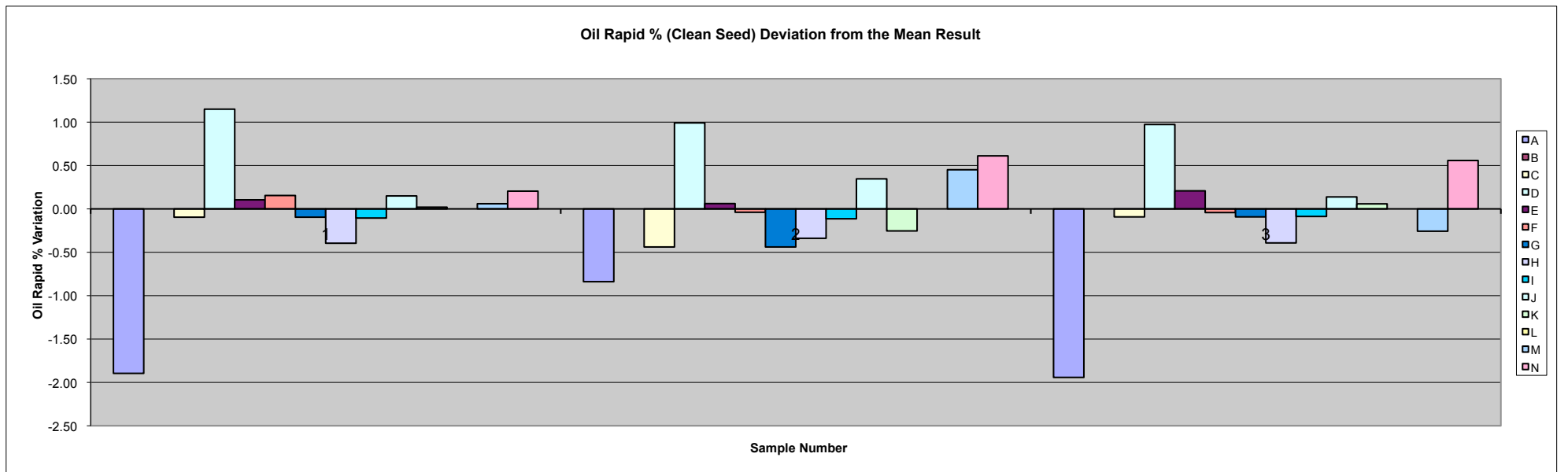
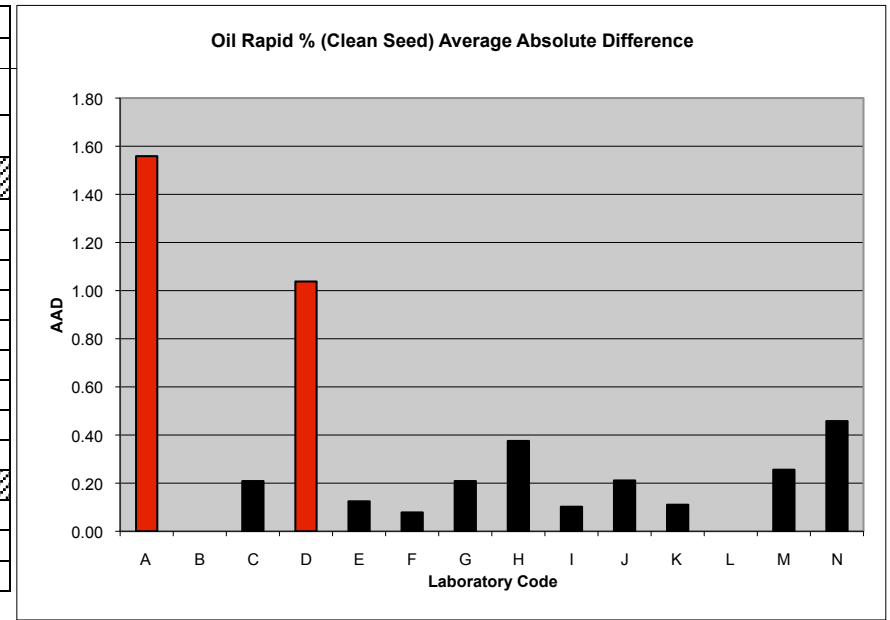
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Impurities %								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.55	0.00	1.55	-0.28	1.00	0.14	-0.05	0.14
B	0.36	-0.19	1.33	-0.50	0.69	-0.17	-0.29	0.29
C	0.45	-0.10	1.62	-0.22	0.99	0.13	-0.06	0.15
D	0.55	0.00	2.53	0.70	0.86	0.00	0.23	0.24
E	0.70	0.15	1.88	0.04	0.74	-0.12	0.02	0.11
F	0.55	0.00	2.15	0.32	0.80	-0.06	0.09	0.13
G	0.45	-0.10	1.62	-0.22	0.99	0.13	-0.06	0.15
H	0.25	-0.30	1.55	-0.28	0.60	-0.26	-0.28	0.28
I	0.65	0.10	1.20	-0.63	0.85	-0.01	-0.18	0.25
J	0.79	0.24	1.89	0.06	0.91	0.05	0.11	0.11
K	0.50	-0.05	1.85	0.02	0.80	-0.06	-0.03	0.04
L								
M	0.65	0.10	2.30	0.47	1.45	0.59	0.39	0.39
N	0.72	0.17	2.37	0.53	1.10	0.24	0.31	0.31
MEAN	0.55		1.83		0.86			0.20
STDEV	0.15		0.41		0.15			



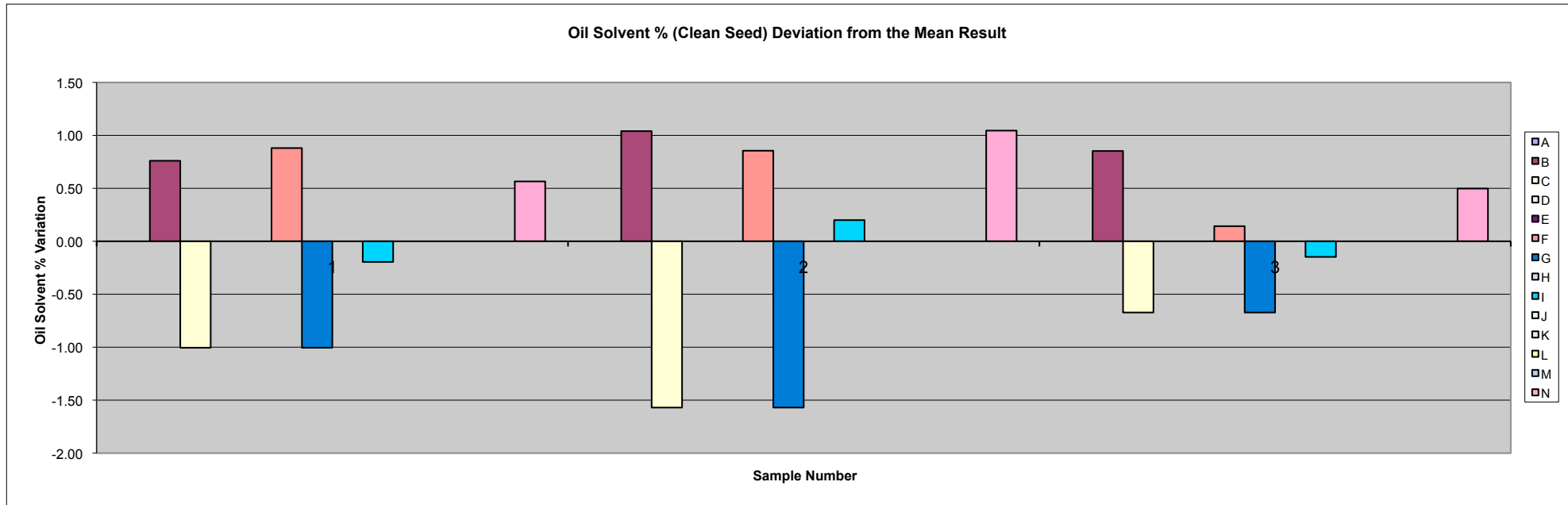
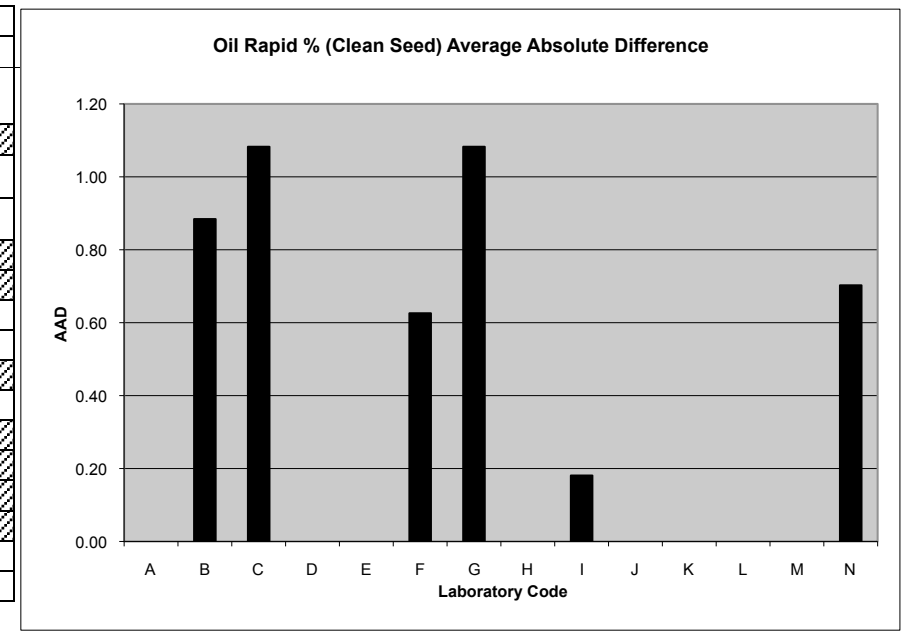
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Oil Rapid % (Clean Seed) Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	44.75	-1.90	41.00	-0.84	43.50	-1.94	-1.56	1.56
B								
C	46.55	-0.10	41.40	-0.44	45.35	-0.09	-0.21	0.21
D	47.80	1.15	42.83	0.99	46.42	0.97	1.04	1.04
E	46.75	0.10	41.90	0.06	45.65	0.21	0.12	0.12
F	46.80	0.15	41.80	-0.04	45.40	-0.04	0.02	0.08
G	46.55	-0.10	41.40	-0.44	45.35	-0.09	-0.21	0.21
H	46.25	-0.40	41.50	-0.34	45.05	-0.39	-0.38	0.38
I	46.54	-0.11	41.73	-0.11	45.36	-0.09	-0.10	0.10
J	46.80	0.15	42.19	0.35	45.58	0.14	0.21	0.21
K	46.67	0.02	41.59	-0.25	45.50	0.06	-0.06	0.11
L								
M	46.71	0.06	42.29	0.45	45.19	-0.26	0.08	0.26
N	46.85	0.20	42.45	0.61	46.00	0.56	0.46	0.46
MEAN	46.65		41.84		45.44			0.39
STDEV	0.18		0.52		0.26			



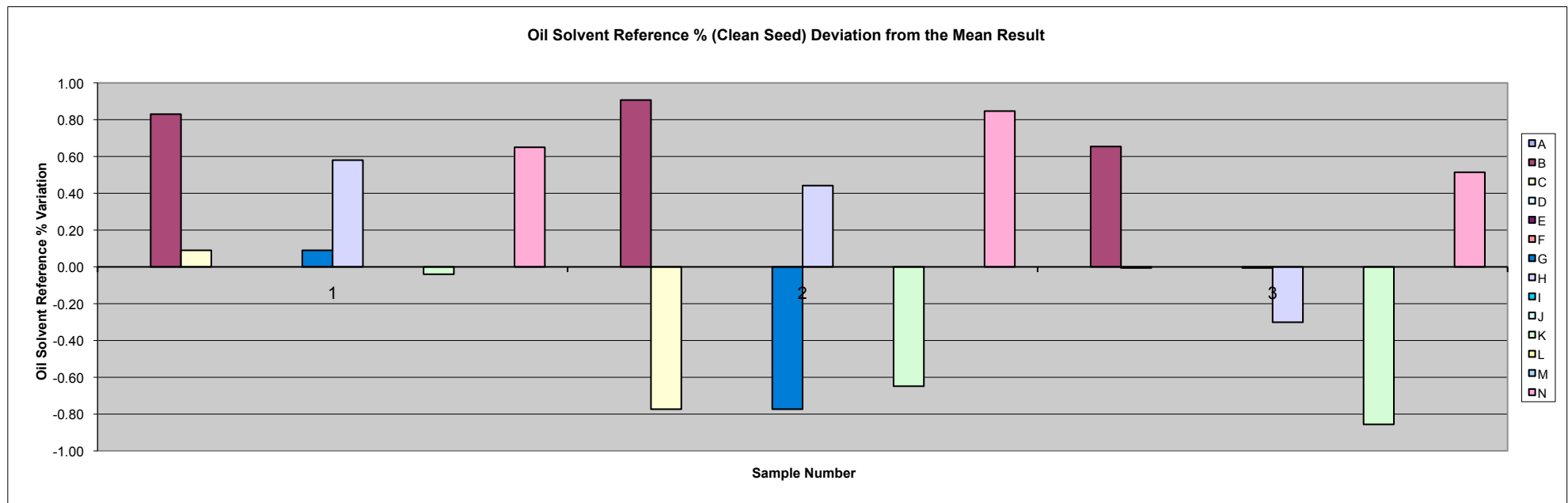
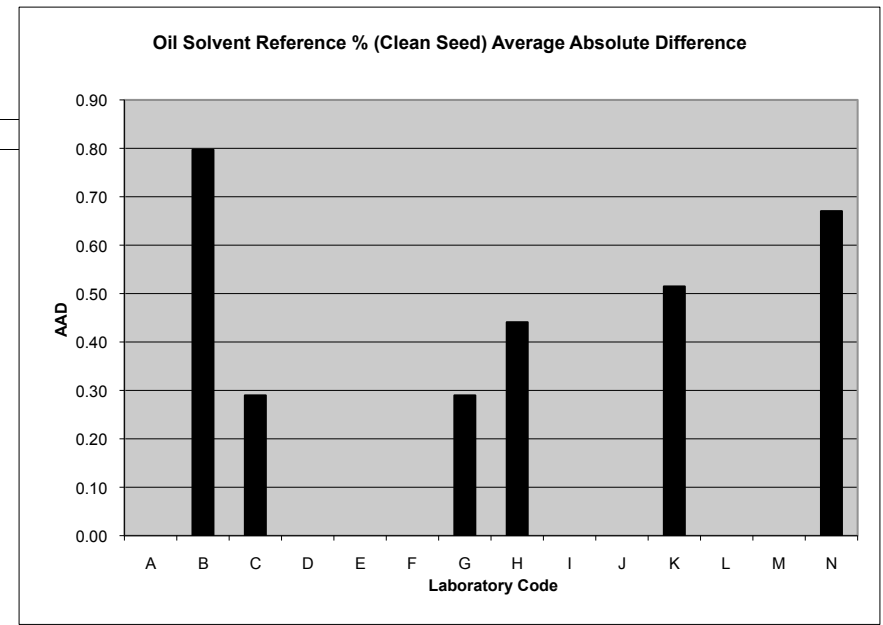
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Oil Solvent % (Clean Seed) - ISO Deviation from the Mean								
	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
Lab	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	46.78	0.76	42.99	1.04	45.81	0.85	0.88	0.88
C	45.02	-1.00	40.38	-1.57	44.29	-0.67	-1.08	1.08
D								
E								
F	46.90	0.88	42.80	0.85	45.10	0.14	0.63	0.63
G	45.02	-1.00	40.38	-1.57	44.29	-0.67	-1.08	1.08
H								
I	45.83	-0.19	42.15	0.20	44.81	-0.15	-0.05	0.18
J								
K								
L								
M								
N	46.59	0.57	42.99	1.04	45.46	0.50	0.70	0.70
MEAN	46.02		41.95		44.96			0.76
STDEV	0.86		1.25		0.62			



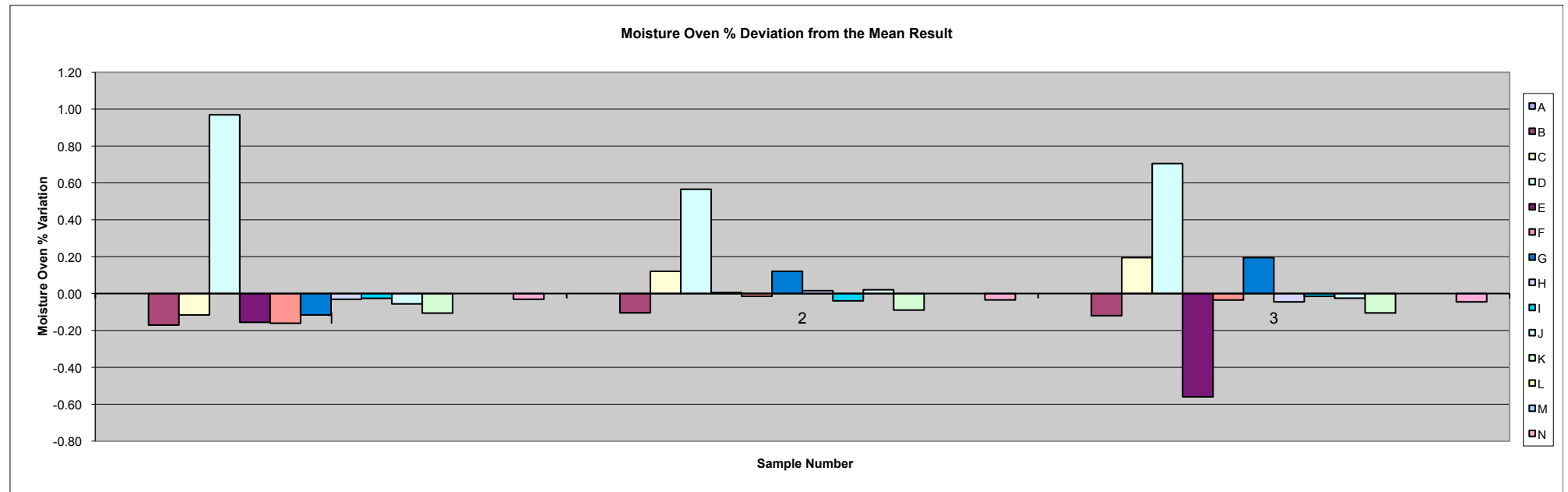
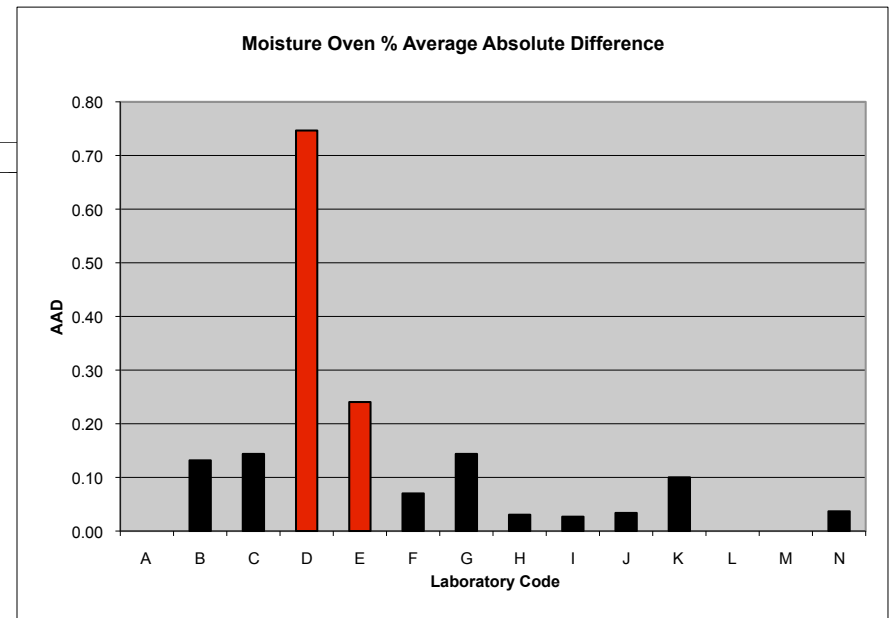
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FOSFA % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	46.85	0.83	43.17	0.91	45.61	0.65	0.80	0.80
C	46.11	0.09	41.49	-0.77	44.95	-0.01	-0.23	0.29
D								
E								
F								
G	46.11	0.09	41.49	-0.77	44.95	-0.01	-0.23	0.29
H	46.60	0.58	42.70	0.44	44.65	-0.30	0.24	0.44
I								
J								
K	45.98	-0.04	41.61	-0.65	44.10	-0.86	-0.51	0.51
L								
M								
N	46.67	0.65	43.11	0.85	45.47	0.51	0.67	0.67
MEAN	46.39		42.26		44.95			0.50
STDEV	0.36		0.82		0.55			



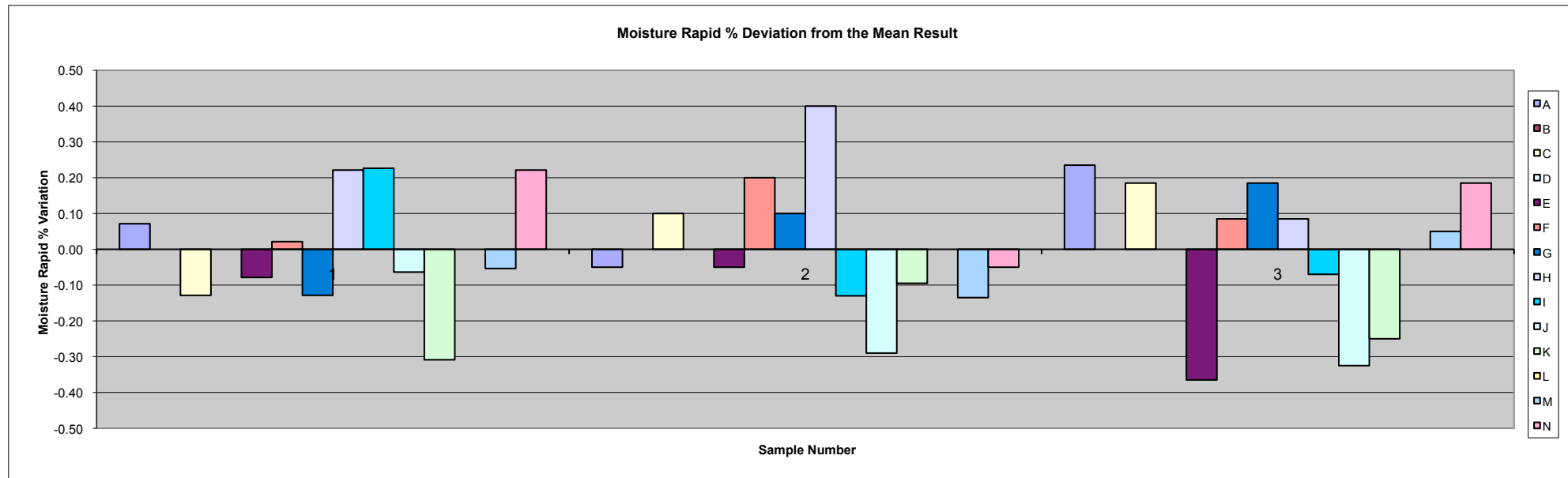
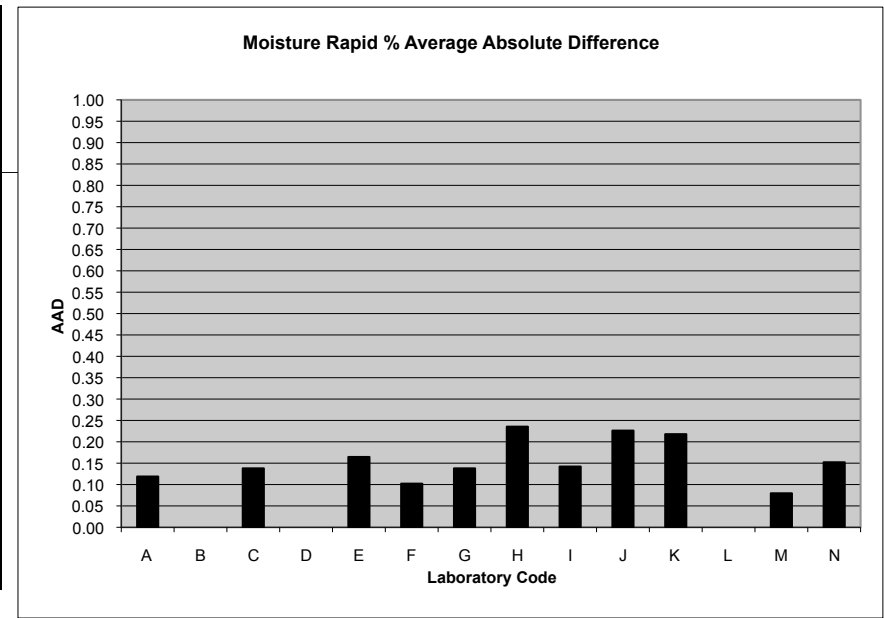
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	5.11	-0.17	5.93	-0.10	6.48	-0.12	-0.13	0.13
C	5.17	-0.12	6.16	0.12	6.79	0.19	0.07	0.14
D	6.25	0.97	6.60	0.57	7.30	0.70	0.75	0.75
E	5.13	-0.16	6.04	0.01	6.04	-0.56	-0.24	0.24
F	5.12	-0.16	6.02	-0.01	6.56	-0.04	-0.07	0.07
G	5.17	-0.12	6.16	0.12	6.79	0.19	0.07	0.14
H	5.25	-0.03	6.05	0.02	6.55	-0.05	-0.02	0.03
I	5.26	-0.03	6.00	-0.04	6.58	-0.02	-0.03	0.03
J	5.23	-0.06	6.06	0.02	6.57	-0.03	-0.02	0.03
K	5.18	-0.11	5.95	-0.09	6.49	-0.11	-0.10	0.10
L								
M								
N	5.25	-0.03	6.00	-0.03	6.55	-0.05	-0.04	0.04
MEAN	5.28		6.03		6.60			0.15
STDEV	0.33		0.08		0.12			



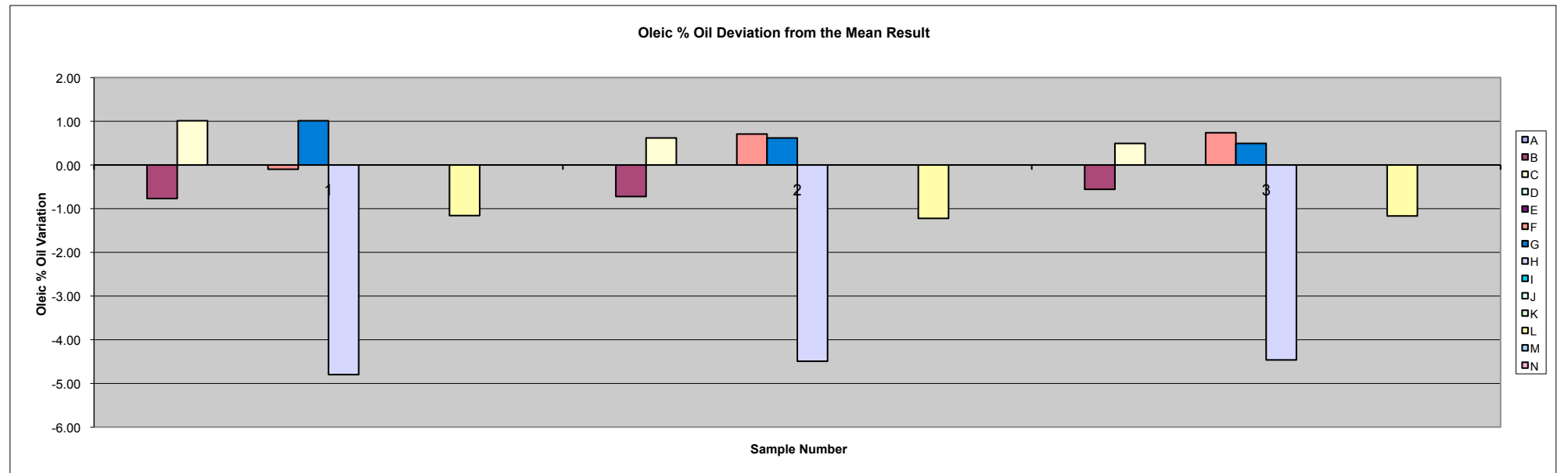
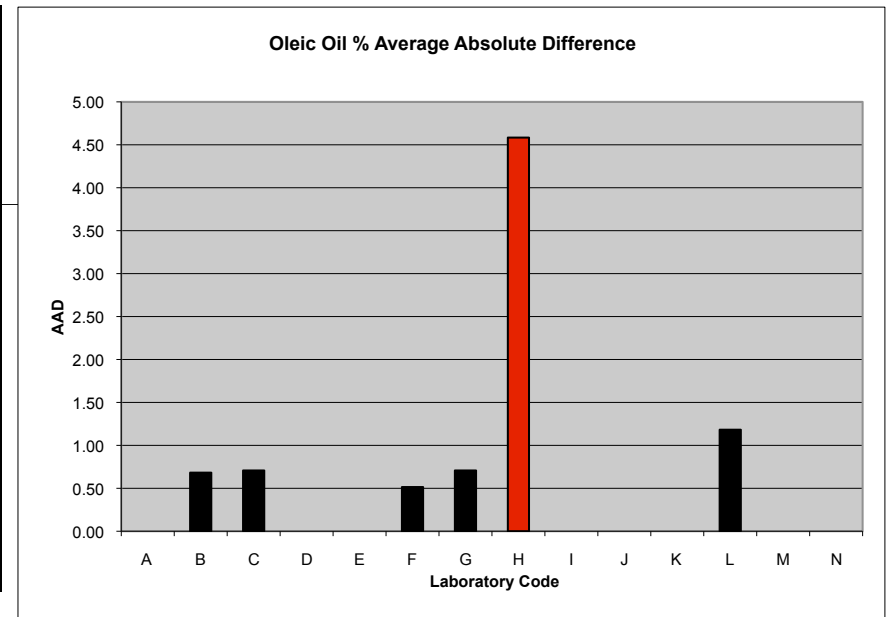
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	5.20	0.07	5.90	-0.05	6.65	0.24	0.09	0.12
B								
C	5.00	-0.13	6.05	0.10	6.60	0.19	0.05	0.14
D								
E	5.05	-0.08	5.90	-0.05	6.05	-0.36	-0.16	0.16
F	5.15	0.02	6.15	0.20	6.50	0.09	0.10	0.10
G	5.00	-0.13	6.05	0.10	6.60	0.19	0.05	0.14
H	5.35	0.22	6.35	0.40	6.50	0.09	0.24	0.24
I	5.36	0.23	5.82	-0.13	6.35	-0.07	0.01	0.14
J	5.07	-0.06	5.66	-0.29	6.09	-0.32	-0.23	0.23
K	4.82	-0.31	5.86	-0.09	6.17	-0.25	-0.22	0.22
L								
M	5.08	-0.05	5.82	-0.14	6.47	0.05	-0.05	0.08
N	5.35	0.22	5.90	-0.05	6.60	0.19	0.12	0.15
MEAN	5.13		5.95		6.42			0.16
STDEV	0.17		0.19		0.22			



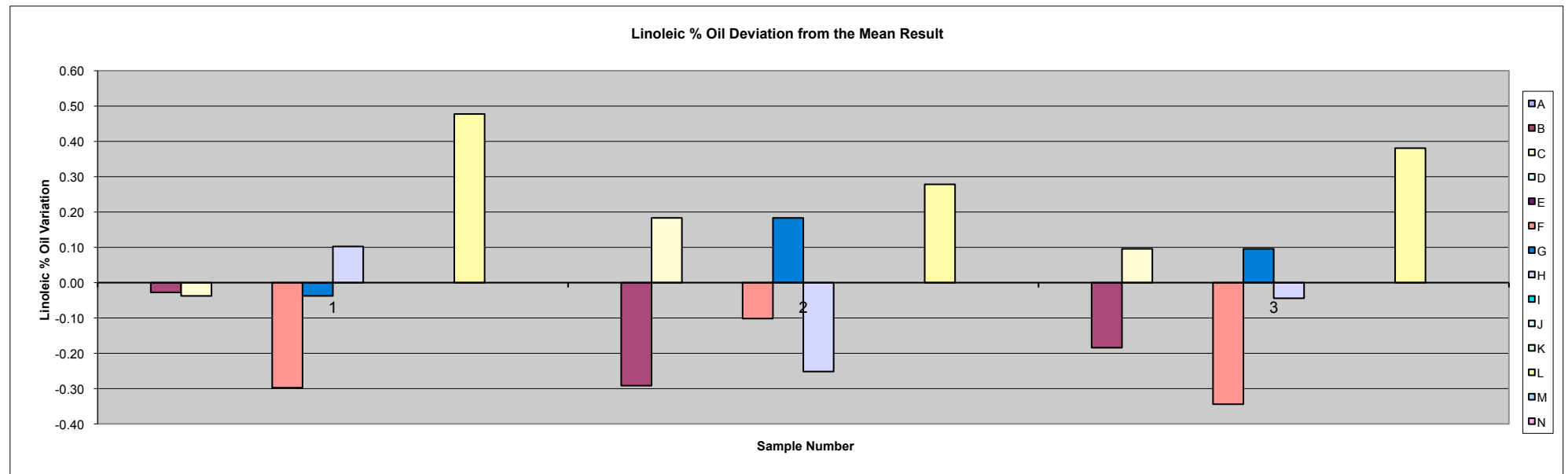
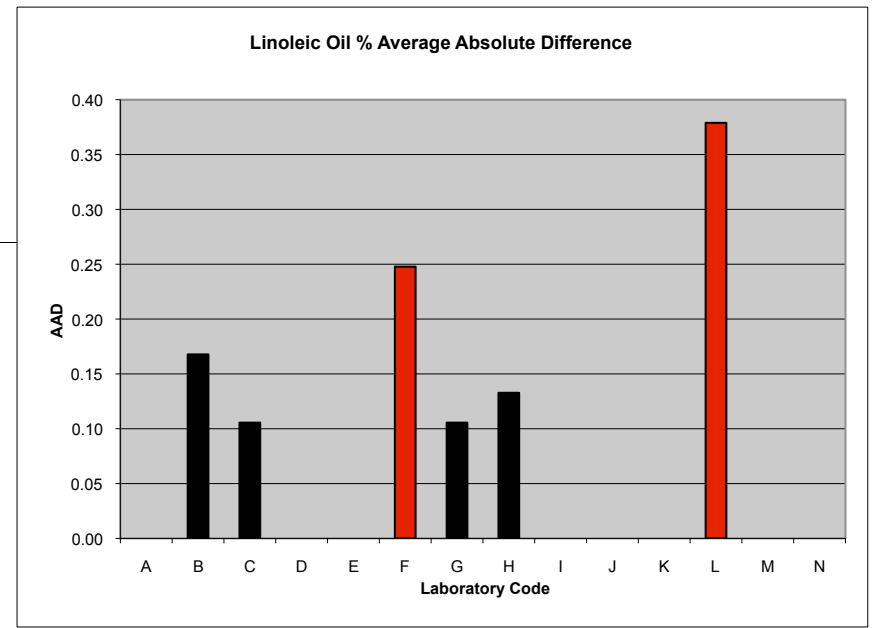
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	63.83	-0.77	56.42	-0.72	60.06	-0.56	-0.68	0.68
C	65.61	1.01	57.76	0.62	61.11	0.49	0.71	0.71
D								
E								
F	64.50	-0.10	57.85	0.71	61.35	0.74	0.45	0.51
G	65.61	1.01	57.76	0.62	61.11	0.49	0.71	0.71
H	59.80	-4.80	52.65	-4.49	56.15	-4.46	-4.58	4.58
I								
J								
K								
L	63.44	-1.16	55.92	-1.22	59.45	-1.17	-1.18	1.18
M								
N								
MEAN	64.60		57.14		60.61			1.40
STDEV	1.00		0.91		0.82			



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Linoleic % Oil 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	18.02	-0.03	21.11	-0.29	19.41	-0.18	-0.17	0.17
C	18.01	-0.04	21.59	0.18	19.69	0.10	0.08	0.11
D								
E								
F	17.75	-0.30	21.30	-0.10	19.25	-0.34	-0.25	0.25
G	18.01	-0.04	21.59	0.18	19.69	0.10	0.08	0.11
H	18.15	0.10	21.15	-0.25	19.55	-0.04	-0.06	0.13
I								
J								
K								
L	18.53	0.48	21.68	0.28	19.98	0.38	0.38	0.38
M								
N								
MEAN	18.05		21.40		19.59			0.19
STDEV	0.07		0.25		0.25			



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Free Fatty Acid % Oil 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	0.06	-0.21	0.11	-0.48	0.12	-0.19	-0.29	0.29
C	0.43	0.16	1.32	0.73	0.28	-0.04	0.29	0.31
D								
E	0.42	0.15	0.54	-0.04	0.70	0.39	0.17	0.19
F	0.41	0.14	0.55	-0.03	0.61	0.30	0.14	0.16
G	0.43	0.16	1.32	0.73	0.28	-0.04	0.29	0.31
H	0.09	-0.19	0.09	-0.49	0.08	-0.23	-0.30	0.30
I								
J								
K	0.06	-0.21	0.16	-0.42	0.12	-0.20	-0.28	0.28
L								
M								
N								
MEAN	0.27		0.58		0.31			0.26
STDEV	0.19		0.54		0.25			

