



2011 AOF Test Check Program
Monthly Report
Round 9
September 2011
01/09/2011 – 30/09/2011

Result Receiving Dates

Lab Code	Date
A	16/09/2011
B	16/09/2011
C	3/10/2011
D	30/9/2011
E	14/09/2011
F	30/9/2011
G	30/9/2011
H	30/09/2011
I	09/09/2011
J	30/09/2011
K	-
L	27/09/2011
M	08/09/2011
N	05/09/2011
O	-

Discussion of Results

Test Weight

No outliers were observed.

Impurities

Sample 1 – One outlier was identified for Lab **H** with a - 0.08 of a percent discrepancy from the lower (0.48%) quartile limit.

Sample 2 – Outliers were identified for results submitted by Lab **F**, **G** and **N**. Lab **G**'s results were sitting - 0.13 of a percent below the lower (1.04%) quartile limit whilst Lab **F** and **N**'s results sat 0.28, and 0.23 of a percent, respectively, above the upper (1.92%) quartile limit.

Sample 3 – No outliers were observed.

Oil Rapid

Sample 1 – One outlier was identified for Lab **A** with a - 0.02 of a percent discrepancy from the lower (38.27%) quartile limit.

Sample 2 – One outlier was identified for Lab **A** with a - 0.88 of a percent discrepancy from the lower (41.03%) quartile limit.



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Sample 3 – Outliers were identified for results submitted by Lab **D**, **F** and **H**. Lab D and H's results were sitting - 0.59 and - 0.25 of a percent, respectively, below the lower (36.35%) quartile limit whilst Lab F's results sat 0.06 of a percent above the upper (38.49%) quartile limit.

Oil Solvent (ISO 659)

Sample 1 – One outlier was identified for Lab **F** with a -0.57 of a percent discrepancy from the lower (38.17%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – One outlier was identified for Lab **G** with a 1.05 of a percent discrepancy from the upper (38.95%) quartile limit.

Oil Solvent Reference (AOCS Method Am 2-93)

Sample 1 – One outlier was identified for Lab **B** with a 0.23 of a percent discrepancy from the upper (40.07%) quartile limit.

Sample 2 – One outlier was identified for Lab **G** with a - 0.48 of a percent discrepancy from the lower (39.9%) quartile limit.

Sample 3 – No outliers were observed.

Moisture Oven

Sample 1 – Outliers were identified for results submitted by Lab **C** and **E**. Lab C and E's results were sitting 0.16 and 1.0 of a percent, respectively, above the upper (6.95%) quartile limit.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

Moisture Rapid

Sample 1 – No outliers were observed.

Sample 2 – Outliers were identified for results submitted by Lab **A** and **N**. Lab A's result sat 0.25 above the upper (6.70%) quartile limit whilst Lab N's Result sat on the lower quartile limit of 6.30%.

Sample 3 – Outliers were identified for results submitted by Lab **A** and **N**. Lab A's result sat 0.06 above the upper (6%) quartile limit whilst Lab N's results sat - 0.11 of a percent below the lower (5.56%) quartile limit.



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Oleic Oil

No outliers were observed

Linoleic Oil

Sample 1 – No outliers were observed.

Sample 2 – One outlier was identified for Lab **C** with a - 1.34 of a percent discrepancy from the lower (21.17%) quartile limit.

Sample 3 – One outlier was identified for Lab **C** with a - 1.21 of a percent discrepancy from the lower (19.70%) quartile limit.

Free Fatty Acid

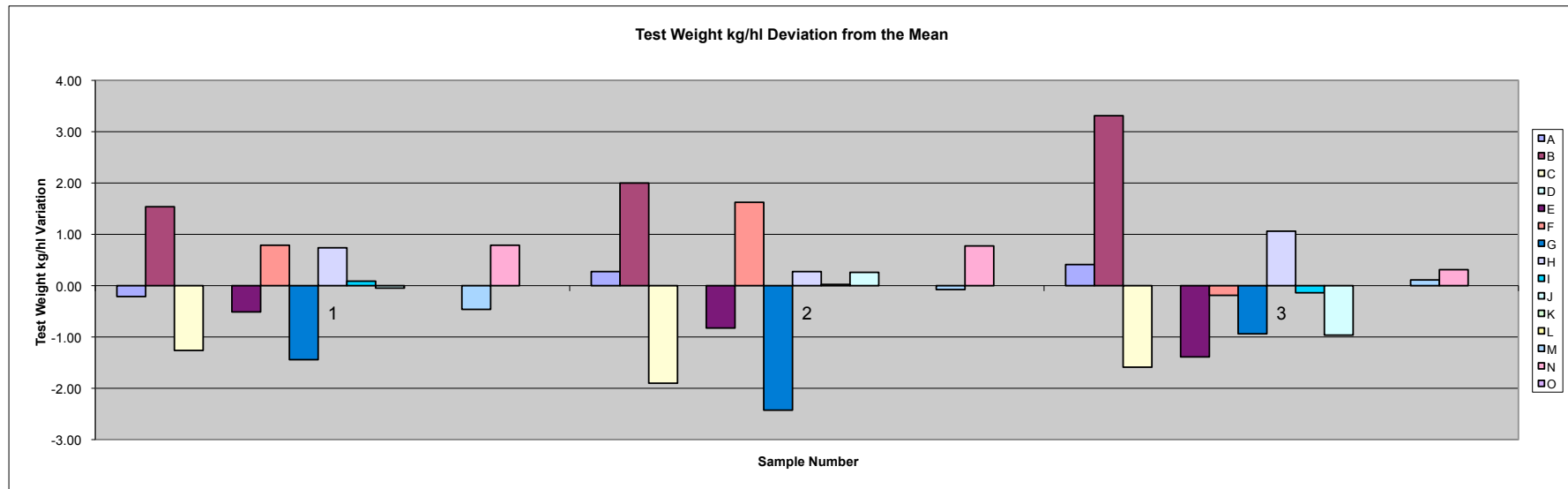
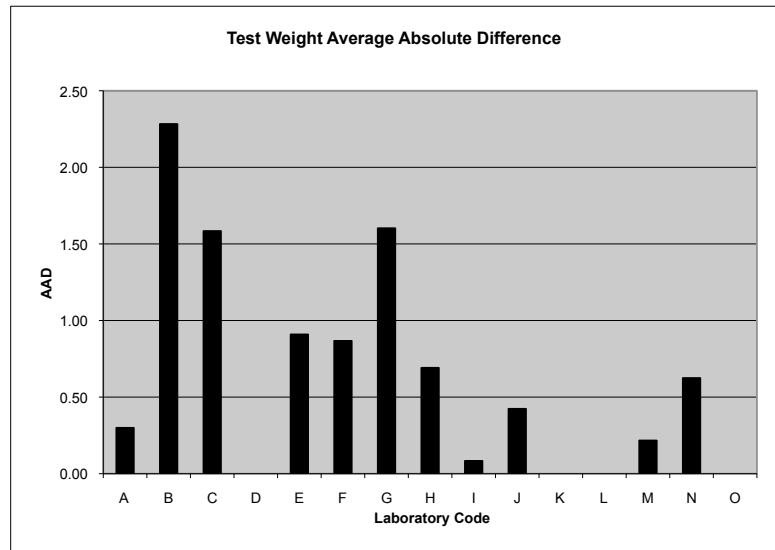
Sample 1 – One outlier was identified for Lab **G** which sat on the upper quartile limit of 0.51%.

Sample 2 – No outliers were observed.

Sample 3 – No outliers were observed.

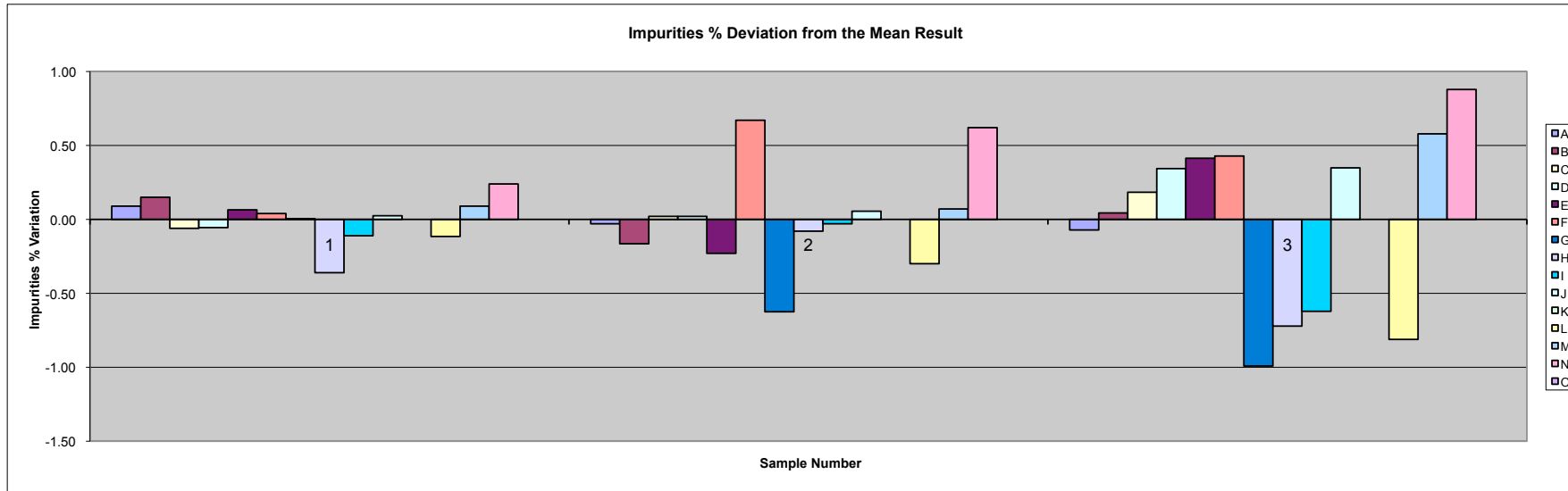
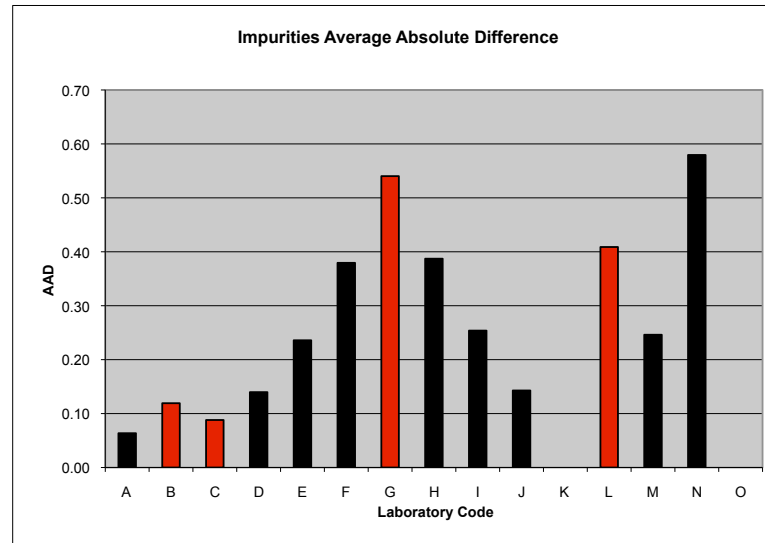
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Test Weight kg/hl								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	68.50	-0.21	67.90	0.27	66.60	0.41	0.16	0.30
B	70.25	1.54	69.63	2.00	69.50	3.31	2.28	2.28
C	67.45	-1.26	65.73	-1.90	64.60	-1.59	-1.58	1.58
D								
E	68.20	-0.51	66.80	-0.83	64.80	-1.39	-0.91	0.91
F	69.50	0.79	69.25	1.62	66.00	-0.19	0.74	0.87
G	67.27	-1.44	65.20	-2.43	65.25	-0.94	-1.60	1.60
H	69.45	0.74	67.90	0.27	67.25	1.06	0.69	0.69
I	68.80	0.09	67.65	0.02	66.05	-0.14	-0.01	0.08
J	68.67	-0.05	67.89	0.26	65.23	-0.96	-0.25	0.42
K								
L								
M	68.25	-0.46	67.55	-0.08	66.30	0.11	-0.14	0.22
N	69.50	0.79	68.40	0.77	66.50	0.31	0.62	0.62
O								
MEAN	68.71		67.63		66.19			0.87
STDEV	0.91		1.33		1.37			



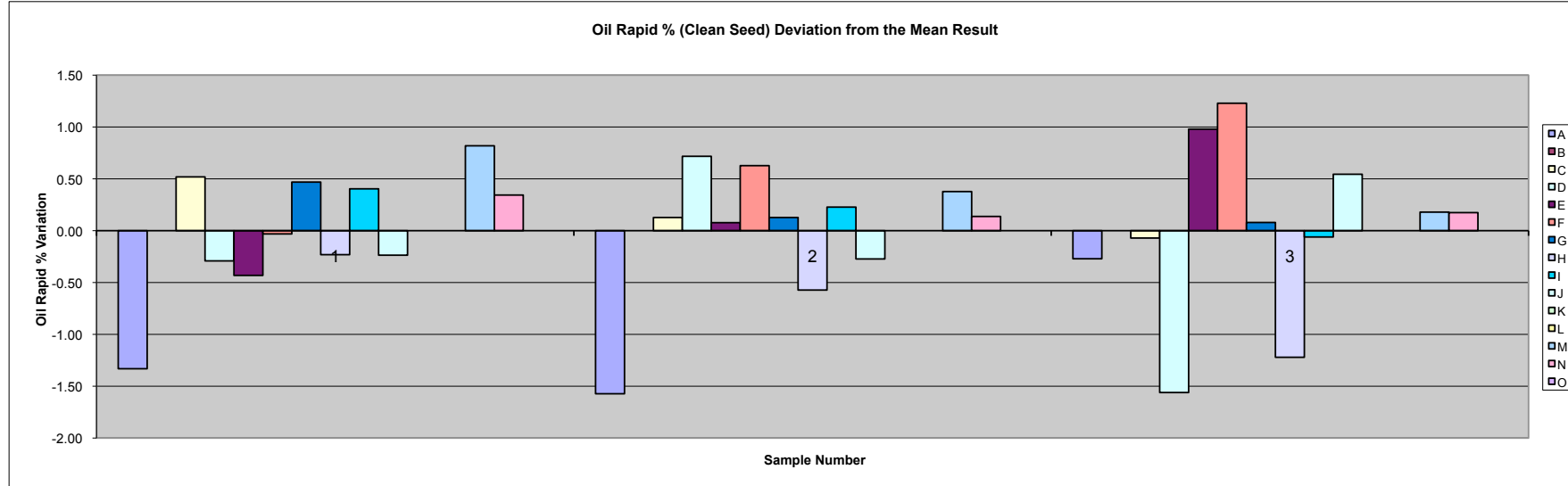
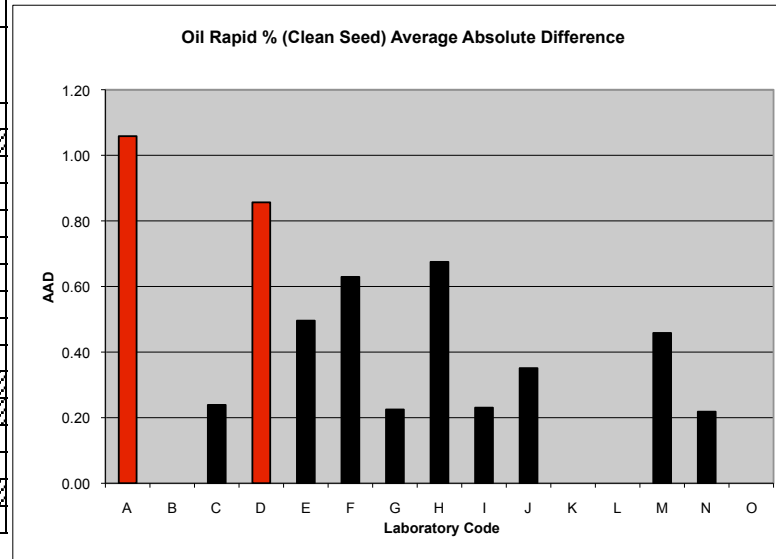
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Impurities %								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	0.85	0.09	1.50	-0.03	2.80	-0.07	0.00	0.06
B	0.91	0.15	1.37	-0.16	2.92	0.04	0.01	0.12
C	0.70	-0.06	1.55	0.02	3.06	0.18	0.05	0.09
D	0.71	-0.06	1.55	0.02	3.22	0.34	0.10	0.14
E	0.83	0.06	1.30	-0.23	3.29	0.41	0.08	0.24
F	0.80	0.04	2.20	0.67	3.30	0.43	0.38	0.38
G	0.77	0.00	0.91	-0.62	1.88	-0.99	-0.54	0.54
H	0.40	-0.36	1.45	-0.08	2.15	-0.72	-0.39	0.39
I	0.65	-0.11	1.50	-0.03	2.25	-0.62	-0.25	0.25
J	0.79	0.02	1.59	0.06	3.22	0.35	0.14	0.14
K								
L	0.65	-0.12	1.23	-0.30	2.06	-0.81	-0.41	0.41
M	0.85	0.09	1.60	0.07	3.45	0.58	0.25	0.25
N	1.00	0.24	2.15	0.62	3.75	0.88	0.58	0.58
O								
MEAN	0.76		1.53		2.87			0.28
STDEV	0.15		0.34		0.60			



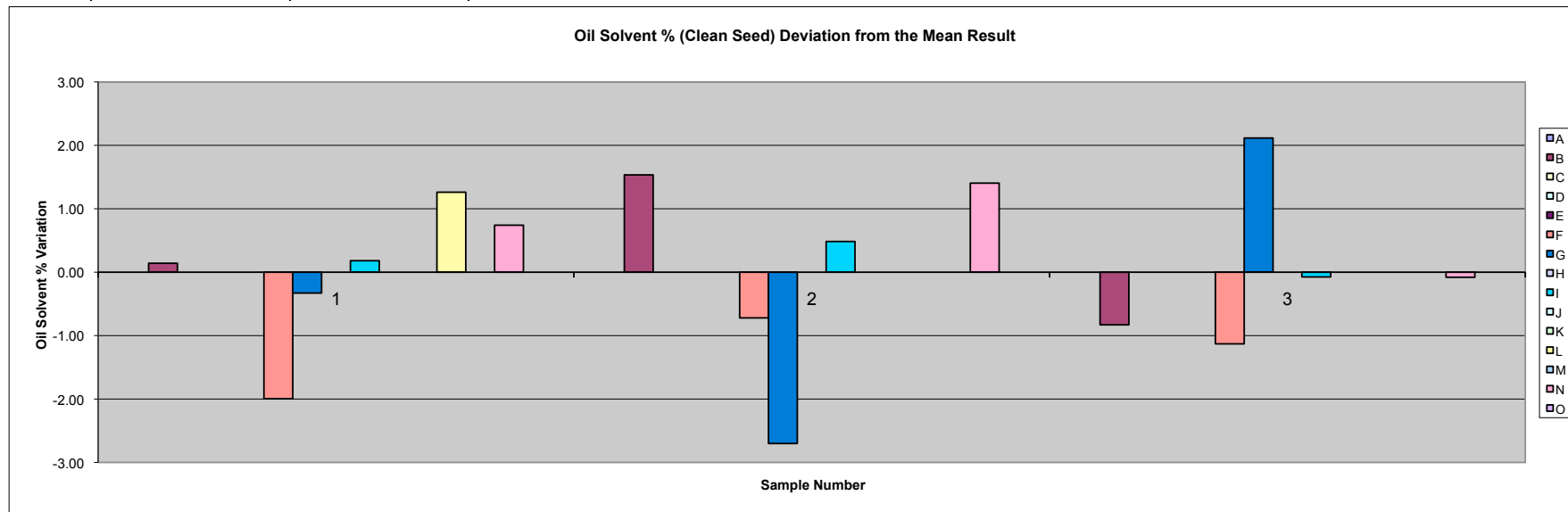
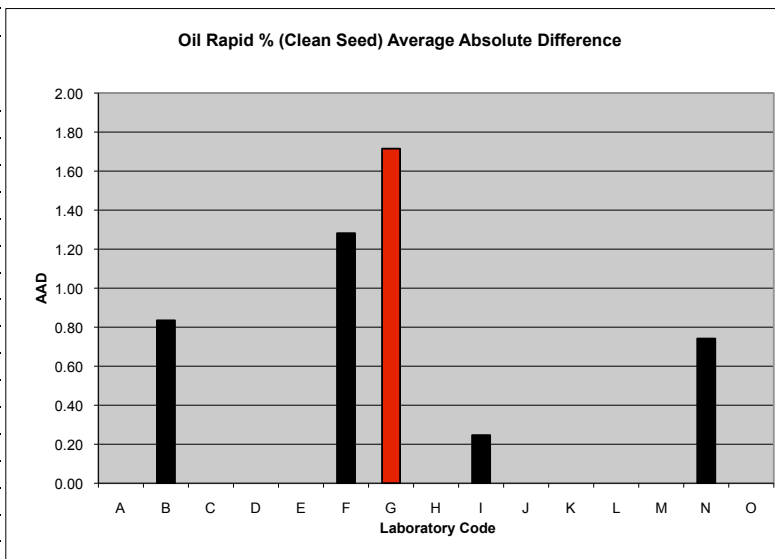
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Oil Rapid % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	38.25	-1.33	40.15	-1.57	37.05	-0.27	-1.06	1.06
B								
C	40.10	0.52	41.85	0.13	37.25	-0.07	0.19	0.24
D	39.29	-0.29	42.44	0.72	35.76	-1.56	-0.38	0.86
E	39.15	-0.43	41.80	0.08	38.30	0.98	0.21	0.50
F	39.55	-0.03	42.35	0.63	38.55	1.23	0.61	0.63
G	40.05	0.47	41.85	0.13	37.40	0.08	0.22	0.22
H	39.35	-0.23	41.15	-0.57	36.10	-1.22	-0.68	0.68
I	39.99	0.40	41.95	0.23	37.26	-0.06	0.19	0.23
J	39.35	-0.24	41.45	-0.27	37.87	0.54	0.01	0.35
K								
L								
M	40.40	0.82	42.10	0.38	37.50	0.18	0.46	0.46
N	39.93	0.34	41.86	0.14	37.50	0.17	0.22	0.22
O								
MEAN	39.58		41.72		37.32			0.49
STDEV	0.60		0.64		0.83			



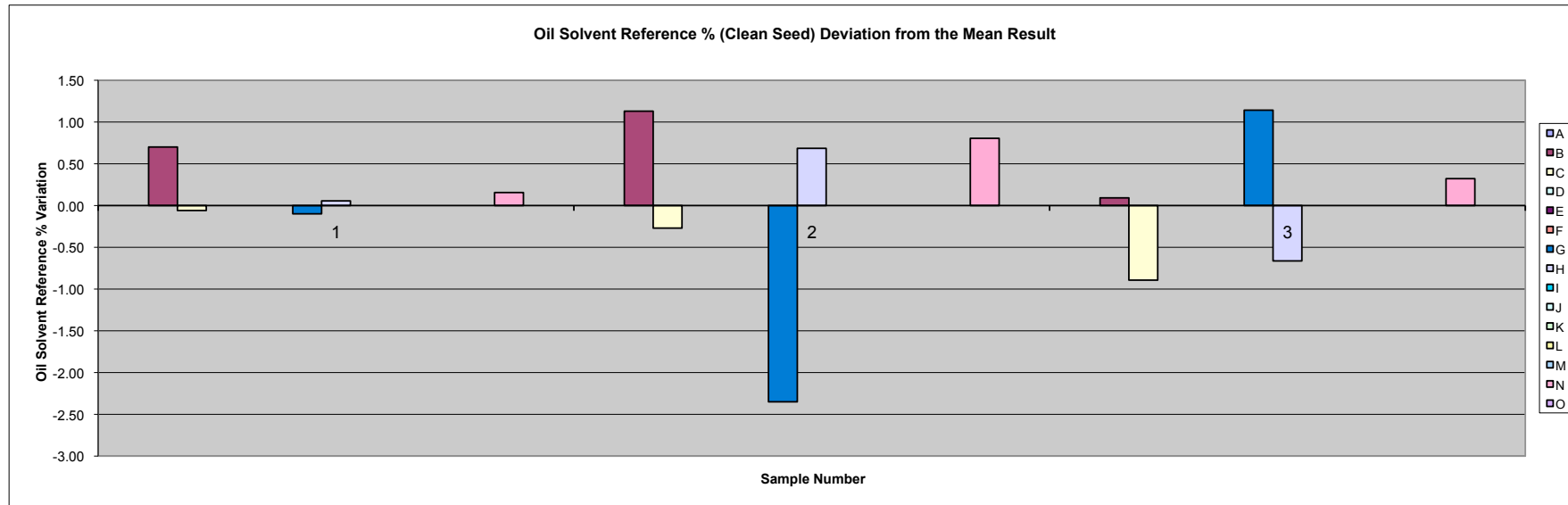
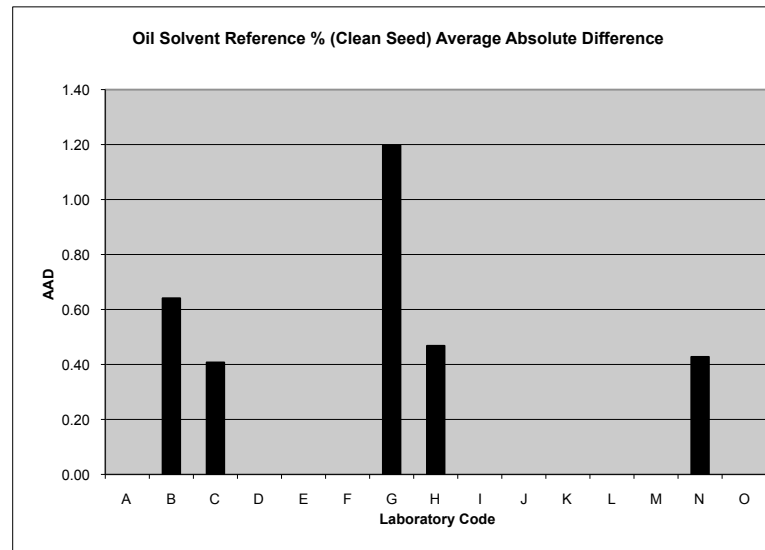
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Oil Solvent % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	39.74	0.14	42.56	1.53	37.05	-0.83	0.28	0.83
C								
D								
E								
F	37.60	-1.99	40.30	-0.72	36.75	-1.13	-1.28	1.28
G	39.27	-0.33	38.32	-2.70	40.00	2.12	-0.31	1.72
H								
I	39.78	0.18	41.51	0.48	37.81	-0.07	0.20	0.25
J								
K								
L	40.86	1.26						
M								
N	40.34	0.74	42.43	1.40	37.80	-0.08	0.69	0.74
O								
MEAN	39.59		41.02		37.88			0.96
STDEV	1.12		1.76		1.27			



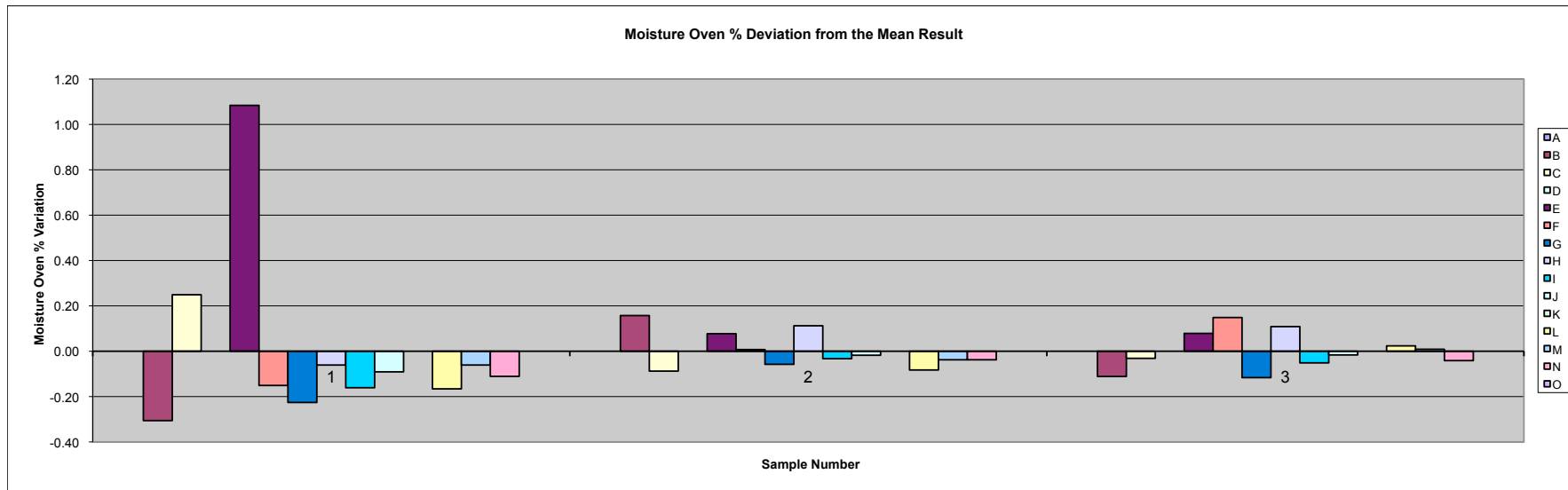
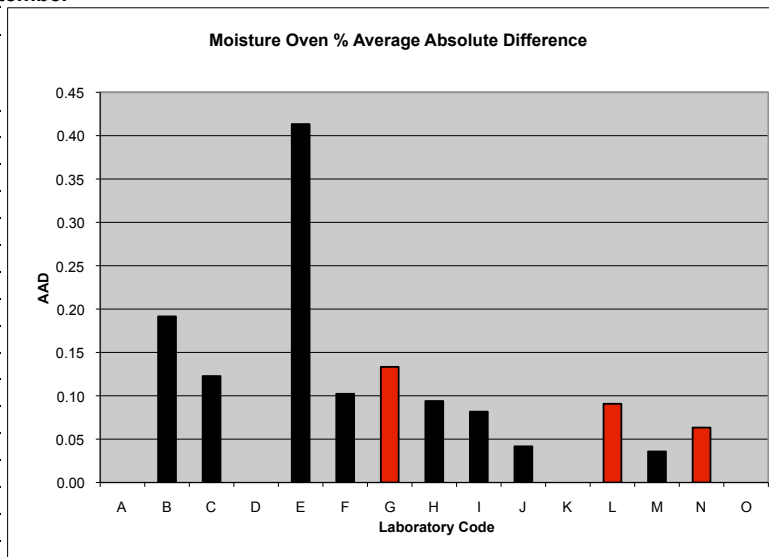
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Oil Solvent Reference % (Clean Seed) Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	40.30	0.70	42.90	1.13	37.51	0.09	0.64	0.64
C	39.54	-0.06	41.50	-0.27	36.52	-0.89	-0.41	0.41
D								
E								
F								
G	39.50	-0.10	39.42	-2.35	38.56	1.14	-0.44	1.20
H	39.65	0.06	42.45	0.69	36.75	-0.66	0.03	0.47
I								
J								
K								
L								
M								
N	39.75	0.16	42.57	0.81	37.74	0.32	0.43	0.43
O								
MEAN	39.75		41.77		37.41			0.63
STDEV	0.32		1.41		0.81			



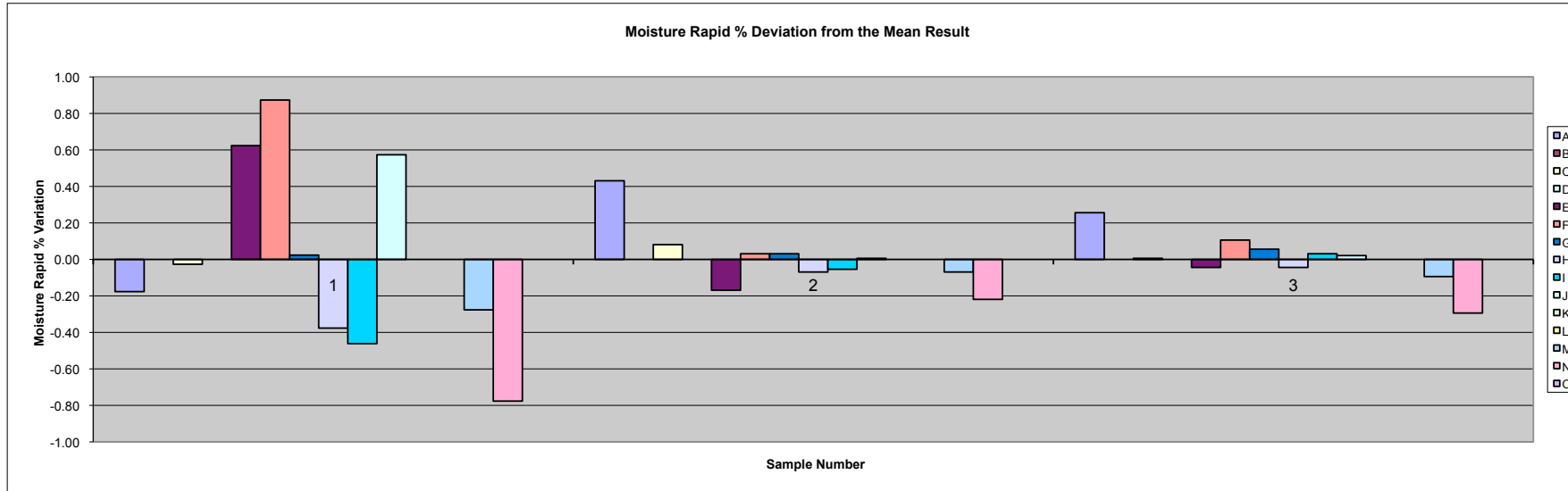
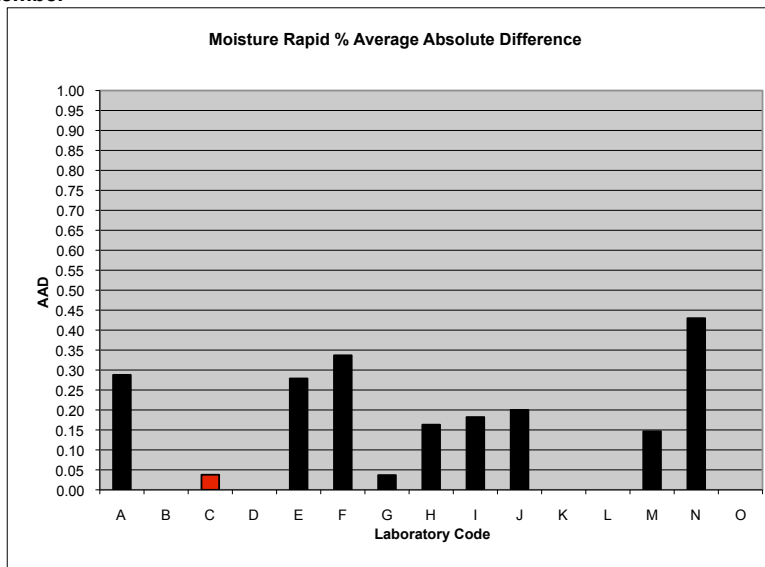
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Moisture Oven % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	6.56	-0.31	6.55	0.16	5.58	-0.11	-0.09	0.19
C	7.11	0.25	6.30	-0.09	5.66	-0.03	0.04	0.12
D								
E	7.95	1.08	6.47	0.08	5.77	0.08	0.41	0.41
F	6.71	-0.15	6.40	0.01	5.84	0.15	0.00	0.10
G	6.64	-0.23	6.33	-0.06	5.58	-0.12	-0.13	0.13
H	6.80	-0.06	6.50	0.11	5.80	0.11	0.05	0.09
I	6.70	-0.16	6.36	-0.03	5.64	-0.05	-0.08	0.08
J	6.77	-0.09	6.37	-0.02	5.68	-0.02	-0.04	0.04
K								
L	6.70	-0.17	6.31	-0.08	5.72	0.02	-0.07	0.09
M	6.80	-0.06	6.35	-0.04	5.70	0.01	-0.03	0.04
N	6.75	-0.11	6.35	-0.04	5.65	-0.04	-0.06	0.06
O								
MEAN	6.86		6.39		5.69			0.12
STDEV	0.39		0.08		0.09			



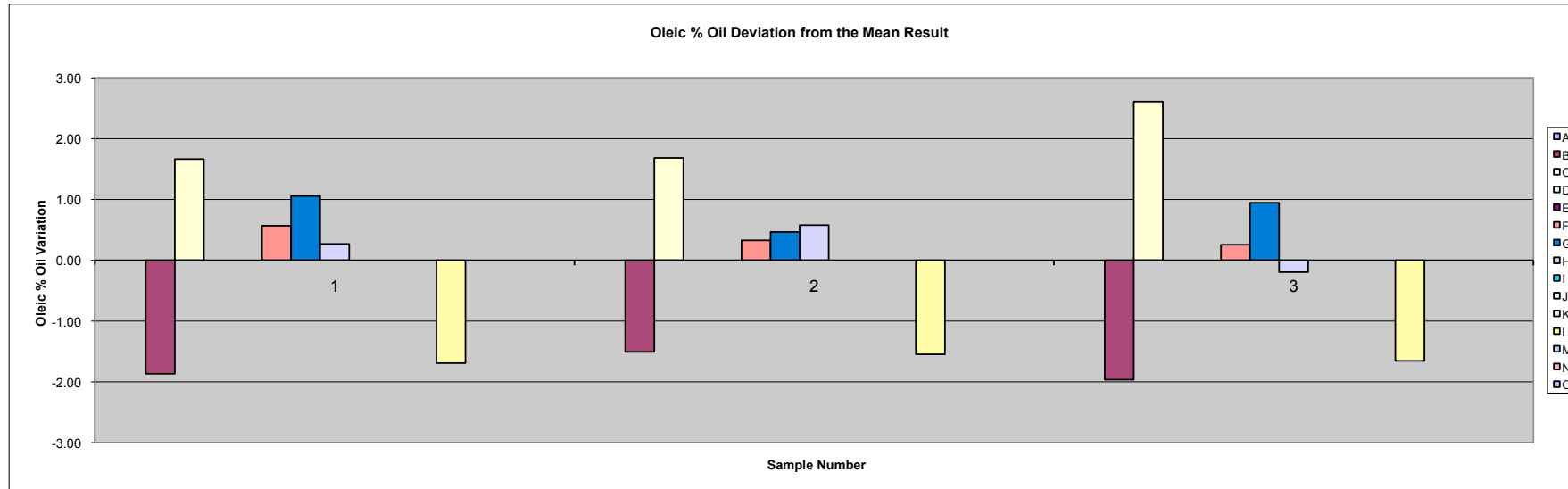
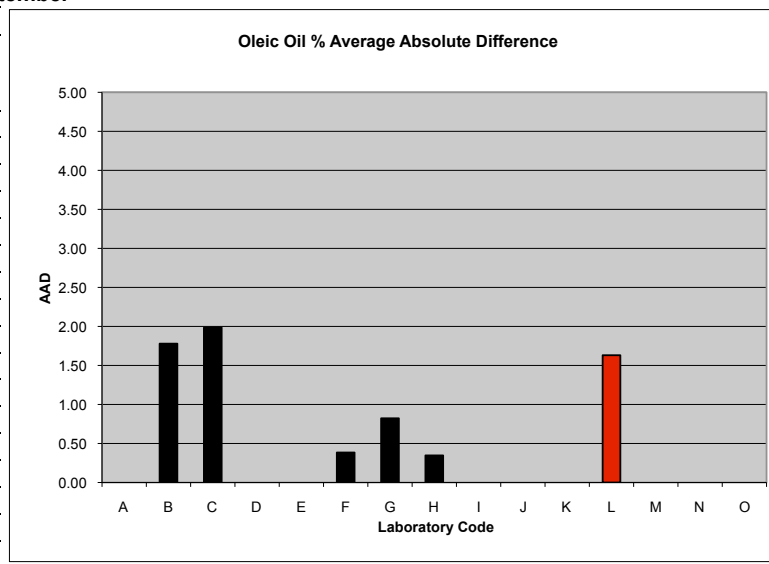
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Moisture Rapid % Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A	7.10	-0.18	6.95	0.43	6.00	0.26	0.17	0.29
B								
C	7.25	-0.03	6.60	0.08	5.75	0.01	0.02	0.04
D								
E	7.90	0.62	6.35	-0.17	5.70	-0.04	0.14	0.28
F	8.15	0.87	6.55	0.03	5.85	0.11	0.34	0.34
G	7.30	0.02	6.55	0.03	5.80	0.06	0.04	0.04
H	6.90	-0.38	6.45	-0.07	5.70	-0.04	-0.16	0.16
I	6.82	-0.46	6.47	-0.05	5.78	0.03	-0.16	0.18
J	7.85	0.57	6.53	0.01	5.77	0.02	0.20	0.20
K								
L								
M	7.00	-0.28	6.45	-0.07	5.65	-0.09	-0.15	0.15
N	6.50	-0.78	6.30	-0.22	5.45	-0.29	-0.43	0.43
O								
MEAN	7.28		6.52		5.74			0.21
STDEV	0.53		0.18		0.14			



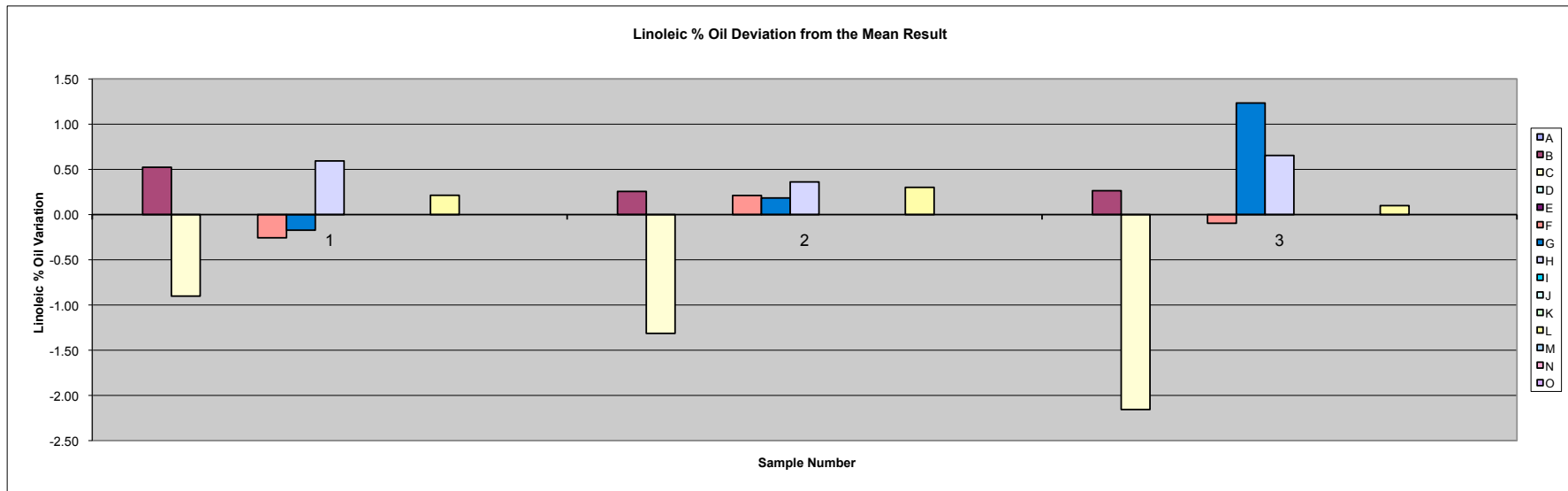
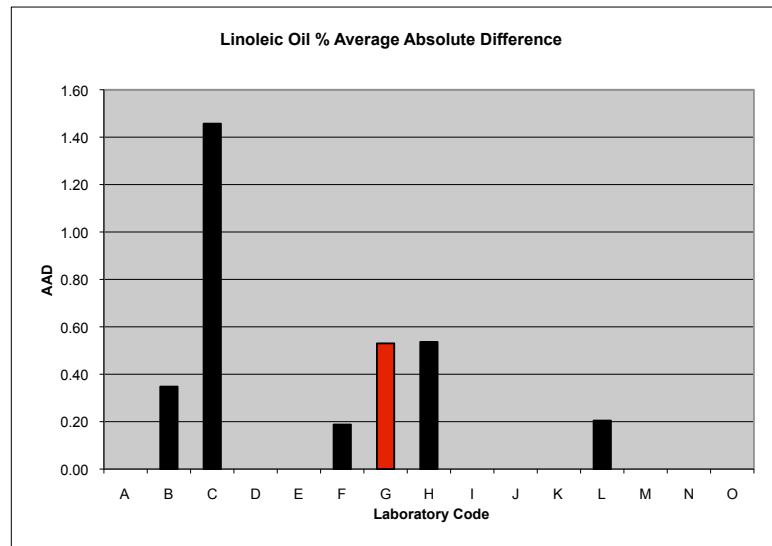
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Oleic % Oil Deviation from the Mean								
Lab	Sample 1		Sample 2		Sample 3		Mean of Differences	Average Absolute Difference
	Result	S1-Mean	Result	S2-Mean	Result	S3-Mean		
A								
B	64.32	-1.87	56.62	-1.51	59.08	-1.96	-1.78	1.78
C	67.85	1.66	59.81	1.68	63.66	2.61	1.99	1.99
D								
E								
F	66.75	0.57	58.45	0.33	61.30	0.26	0.38	0.38
G	67.24	1.06	58.59	0.47	61.99	0.95	0.82	0.82
H	66.45	0.27	58.70	0.58	60.85	-0.19	0.22	0.35
I								
J								
K								
L	64.49	-1.69	56.58	-1.55	59.39	-1.65	-1.63	1.63
M								
N								
O								
MEAN	66.18		58.12		61.04			1.16
STDEV	1.46		1.28		1.70			



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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	18.08	0.52	21.40	0.26	20.91	0.26	0.35	0.35
C	16.66	-0.90	19.83	-1.31	18.49	-2.16	-1.46	1.46
D								
E								
F	17.30	-0.26	21.35	0.21	20.55	-0.10	-0.05	0.19
G	17.38	-0.17	21.32	0.18	21.88	1.23	0.42	0.53
H	18.15	0.59	21.50	0.36	21.30	0.65	0.54	0.54
I								
J								
K								
L	17.77	0.21	21.44	0.30	20.75	0.10	0.20	0.20
M								
N								
O								
MEAN	17.56		21.14		20.65			0.54
STDEV	0.56		0.65		1.16			



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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	0.15	-0.13	0.20	-0.11	0.32	-0.12	-0.12	0.12
C	0.25	-0.03	0.20	-0.12	0.36	-0.08	-0.08	0.08
D								
E	0.25	-0.03	0.53	0.22	0.75	0.31	0.17	0.19
F	0.37	0.09	0.56	0.24	0.66	0.22	0.18	0.18
G	0.51	0.23	0.23	-0.08	0.29	-0.15	0.00	0.15
H	0.16	-0.12	0.16	-0.15	0.27	-0.17	-0.15	0.15
I								
J								
K								
L	0.28	0.00	0.31	0.00	0.41	-0.03	-0.01	0.01
M								
N								
O								
MEAN	0.28		0.31		0.44			0.13
STDEV	0.13		0.16		0.19			

