

COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4
SUMMARY B
PG 58-28

Supplier Number	Rotational Viscosity (Pa.s) @135°C	DSR Original (kPa) @70°C	DSR RTFO (kPa) @70°C	DSR PAV (kPa) @25°C	Mass Loss (%) @163°C	BBR S-value (MPa) @-18°C	BBR m-value @-18°C
IADOT	0.289	1.28	3.52	4010	-0.676	215	0.320
MNDOT	0.275	1.21	3.43	4307	-0.643	203	0.326
NCSPC	0.283	1.32	3.27	4110	-0.955	199	0.319
NDDOT	0.278	1.26	3.30	4563	-0.749	223	0.321
NEDOR	0.274	1.17	3.65	3847	-0.691	218	0.325
SDDOT	0.250	1.32	3.70	4345	-0.661	214	0.328
UW	0.285	1.86	5.40	5215	-0.221	229	0.320
WISDOT	0.283	1.21	3.26		-0.707		
07	0.273	1.28	3.24	4939	-0.652	219	0.314
12	0.275	1.48	3.46	3955	-0.707	206	0.328
13	0.299	1.27	3.59	3900	-0.691	212	0.352
29	0.274	1.21	3.43	4506	-0.876	230	0.325
35	0.298	1.31	3.81	4610	-0.750	220	0.314
37	0.290	1.24	3.02	3934	-0.606	212	0.332
42	0.279	1.23	3.67	3890	-0.855	223	0.326
43	0.266	1.30	3.33	4380	-0.632	234	0.328
49	0.275	1.22	3.53	4120	-0.651	227	0.319
60	0.240	1.25	3.42	5000	-0.758	216	0.317
65	0.298	1.26	3.28	3460	-0.742	199	0.332
69	0.279	1.30	3.27	4980	-0.605	223	0.318
70	0.275	1.23	3.62	4348	-0.602	213	0.320
77	0.250	1.30	3.95	4950	-0.938	235	0.318
95	0.280	1.22	3.44	4010	-0.522	216	0.331
A	0.259	1.28	3.77	3473	-0.770	230	0.332
B	0.268	1.28	4.01	4226	-0.710	225	0.324
C	0.270	1.26	3.47	3934	-0.625	230	0.321
E	0.273	1.29	3.79	4303	-0.763	220	0.330
F	0.282	1.31	3.61	3,939	-0.702	225	0.336
J	0.292	1.25	3.47	3960	-0.574	200	0.321
L	0.293	1.28	3.89	4935	-0.754	227	0.325
M	0.255	1.28	3.48	4804	-0.681	226	0.317
O	0.277	1.22	3.58	4,371	-0.614	224	0.324
P	0.269	1.39	3.91	3827	-0.596	209	0.336
S	0.258	1.26	3.50	4722	-0.678	224	0.316
T	0.278	1.22	3.53	4345	-0.589	226	0.327
U	0.294	1.28	3.64	4068	-0.648	202	0.340
V	0.275	1.29	3.83	4453	-0.736	226	0.325
Average	0.276	1.29	3.60	4,298	-0.685	219	0.325
Std. Dev.	0.0139	0.1113	0.3786	440.11	0.1236	10.12	0.0079
Coef. of Var.	5.043	8.649	10.528	10.239	18.056	4.623	2.430

COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4
SUMMARY B
58-28

	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
A							
19	0.262	1.25	3.69	3496	-0.781	232	0.331
51	0.260	1.30	3.84	3391	-0.767	227	0.331
97	0.258	1.26	3.69	3586	-0.773	230	0.334
98	0.256	1.31	3.85	3420	-0.758	229	0.333
Average	0.259	1.28	3.77	3,473	-0.770	230	0.332

B							
01	0.267	1.32	4.04	4455	-0.678	224	0.330
17	0.270	1.22	3.91	4411	-0.709	224	0.322
45	0.267	1.30	4.07	3812	-0.742	228	0.320
Average	0.268	1.28	4.01	4,226	-0.710	225	0.324

C							
28	0.271	1.27	3.31	3952	-0.632	231	0.318
66	0.274	1.27	3.55	4014	-0.618	235	0.320
90	0.265	1.25	3.34	3783	-0.609	230	0.322
99	0.269	1.25	3.67	3986	-0.640	225	0.322
Average	0.270	1.26	3.47	3934	-0.625	230	0.321

E							
15	0.273	1.31	3.84	4278	-0.755	220	0.330
89	0.273	1.26	3.74	4328	-0.770	219	0.330
Average	0.273	1.29	3.79	4303	-0.763	220	0.330

F							
02	0.270	1.33	3.48	4691	-0.651	224	0.327
11	0.280	1.36	3.65	4318	-0.657	234	0.334
34	0.296	1.36	3.66	3850	-0.709	232	0.329
48	0.279	1.27	3.72	4164	-0.710	238	0.332
56	0.286	1.27	3.57	3236	-0.723	209	0.341
62	0.280	1.26	3.60	3376	-0.761	213	0.354
Average	0.282	1.31	3.61	3,939	-0.702	225	0.336

J							
05	0.293	1.21	3.47	4010	-0.500	194	0.319
08	0.294	1.27	3.67	4069	-0.633	203	0.322
22	0.290	1.21	3.38	3865	-0.525	194	0.326
31	0.293	1.25	3.35	4014	-0.492	196	0.324
41	0.292	1.24	3.47	4047	-0.617	205	0.325
44	0.290	1.24	3.44	4054	-0.538	200	0.313
52	0.291	1.26	3.46	3659	-0.646	200	0.315
83	0.293	1.28	3.55	3958	-0.644	204	0.320
Average	0.292	1.25	3.47	3960	-0.574	200	0.321

L							
25	0.291	1.28	3.93	4949	-0.773	226	0.325
59	0.294	1.28	3.85	4920	-0.734	228	0.325
Average	0.293	1.28	3.89	4935	-0.754	227	0.325

M							
04	0.253	1.32	3.43	4789	-0.679	227	0.318
47	0.257	1.23	3.52	4813	-0.683	227	0.318
57	0.254	1.29	3.50	4810	-0.681	224	0.316
Average	0.255	1.28	3.48	4804	-0.681	226	0.317

O							
76	0.278	1.22	3.50	4725	-0.613	227	0.326
85	0.275	1.21	3.66	4016	-0.615	221	0.322
Average	0.277	1.22	3.58	4371	-0.614	224	0.324

P							
30	0.269	1.39	4.20	4084	-0.691	224	0.320
71	0.268	1.38	3.49	3532	-0.426	197	0.344
73	0.270	1.40	4.03	3866	-0.672	206	0.343
Average	0.269	1.39	3.91	3827	-0.596	209	0.336

S							
53	0.250	1.23	3.48	4662	-0.673	223	0.316
64	0.265	1.28	3.52	4782	-0.682	224	0.316
Average	0.258	1.26	3.50	4722	-0.678	224	0.316

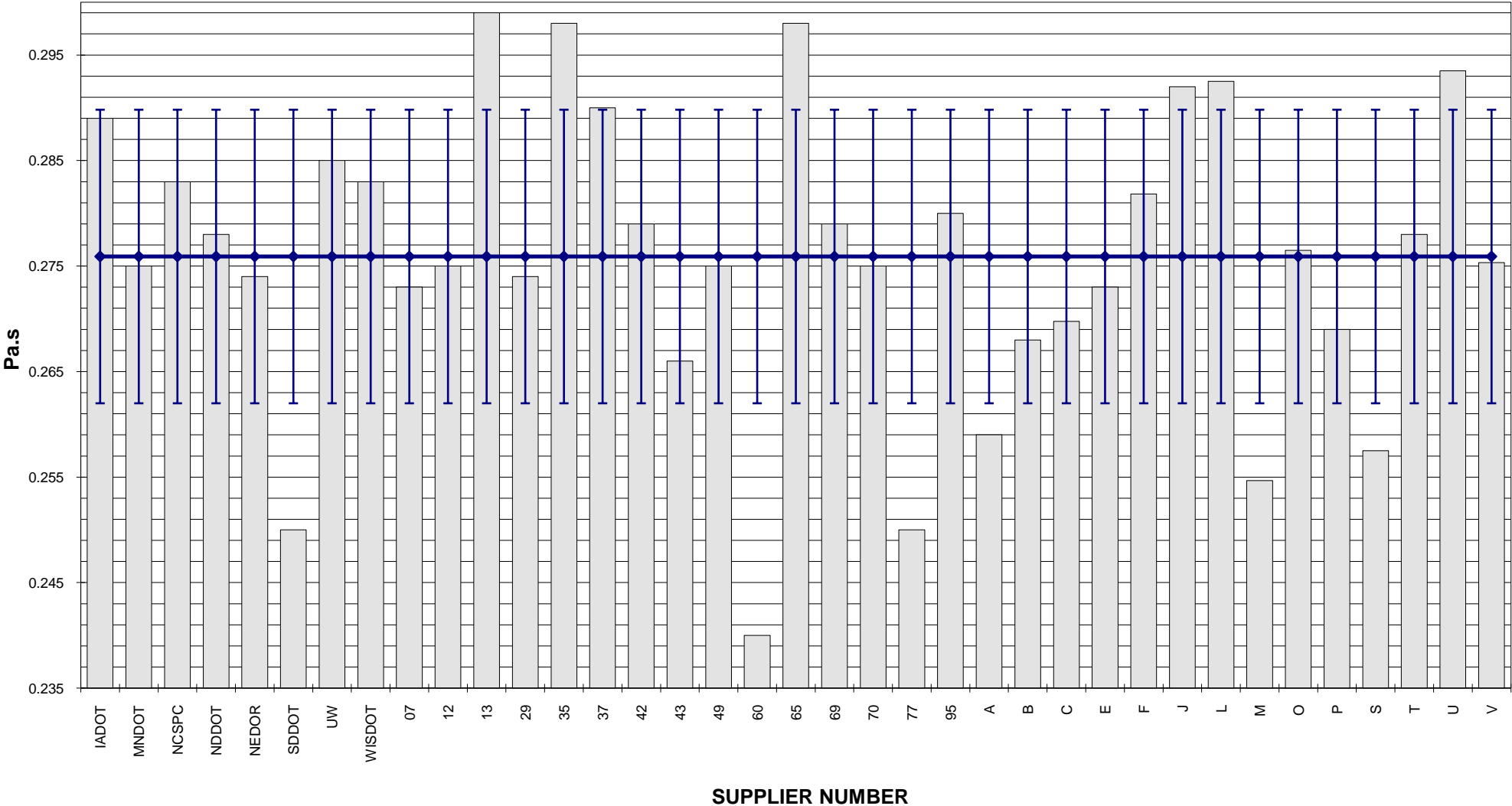
T							
39	0.273	1.23	3.50	4320	-0.629	231	0.330
87	0.283	1.21	3.55	4370	-0.548	220	0.324
Average	0.278	1.22	3.53	4345	-0.589	226	0.327

U							
24	0.300	1.30	3.69	4280	-0.671	203	0.335
93	0.287	1.26	3.59	3855	-0.625	200	0.345
Average	0.294	1.28	3.64	4068	-0.648	202	0.340

V							
58	0.277	1.29	3.77	4520	-0.730	229	0.326
78	0.272	1.28	3.89	4550	-0.740	223	0.323
81	0.277	1.30	3.83	4290	-0.738	226	0.327
Average	0.275	1.29	3.83	4453	-0.736	226	0.325

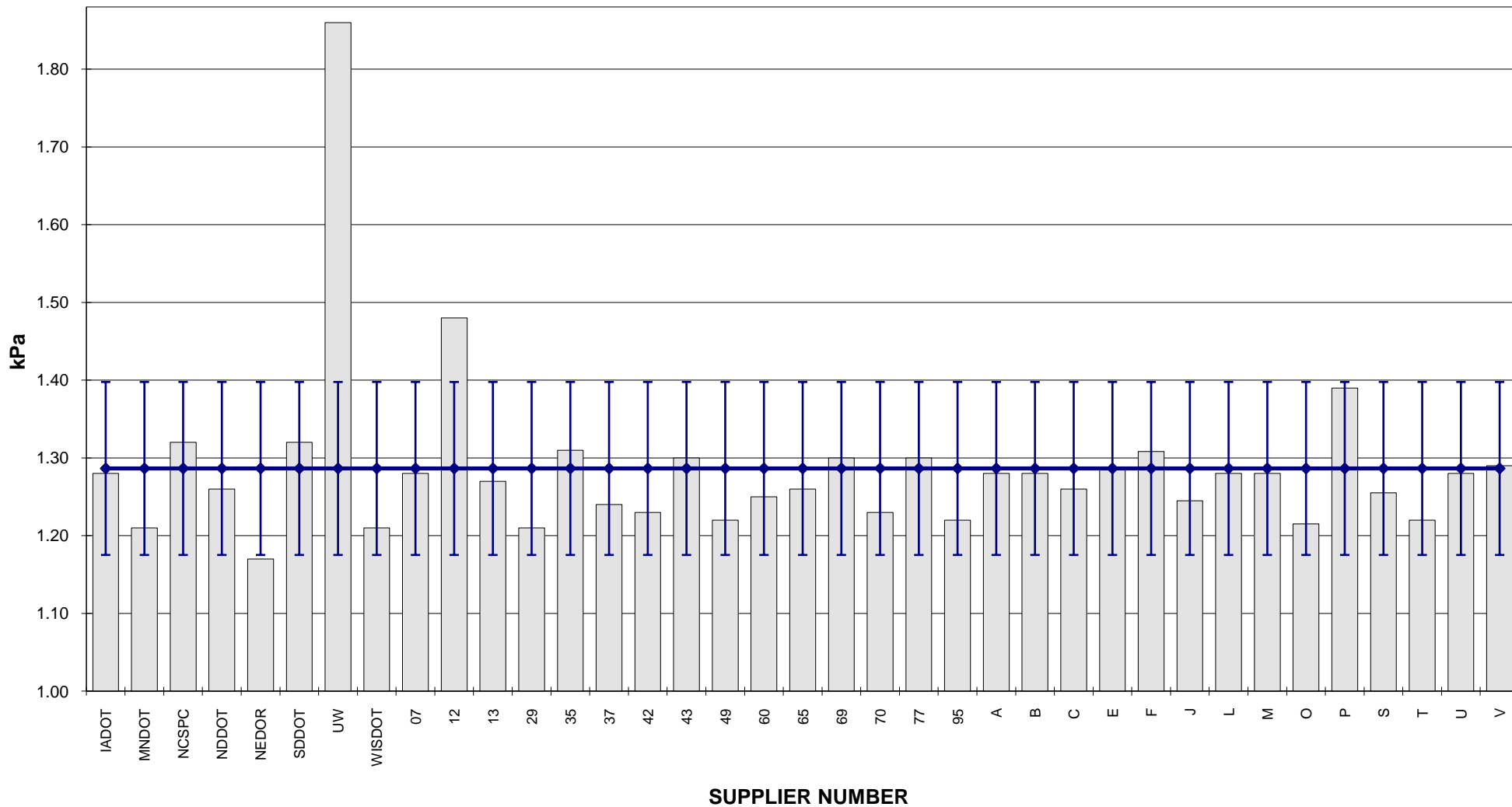
**COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4
SUMMARY B
PG 58-28**

ROTATIONAL VISCOSITY



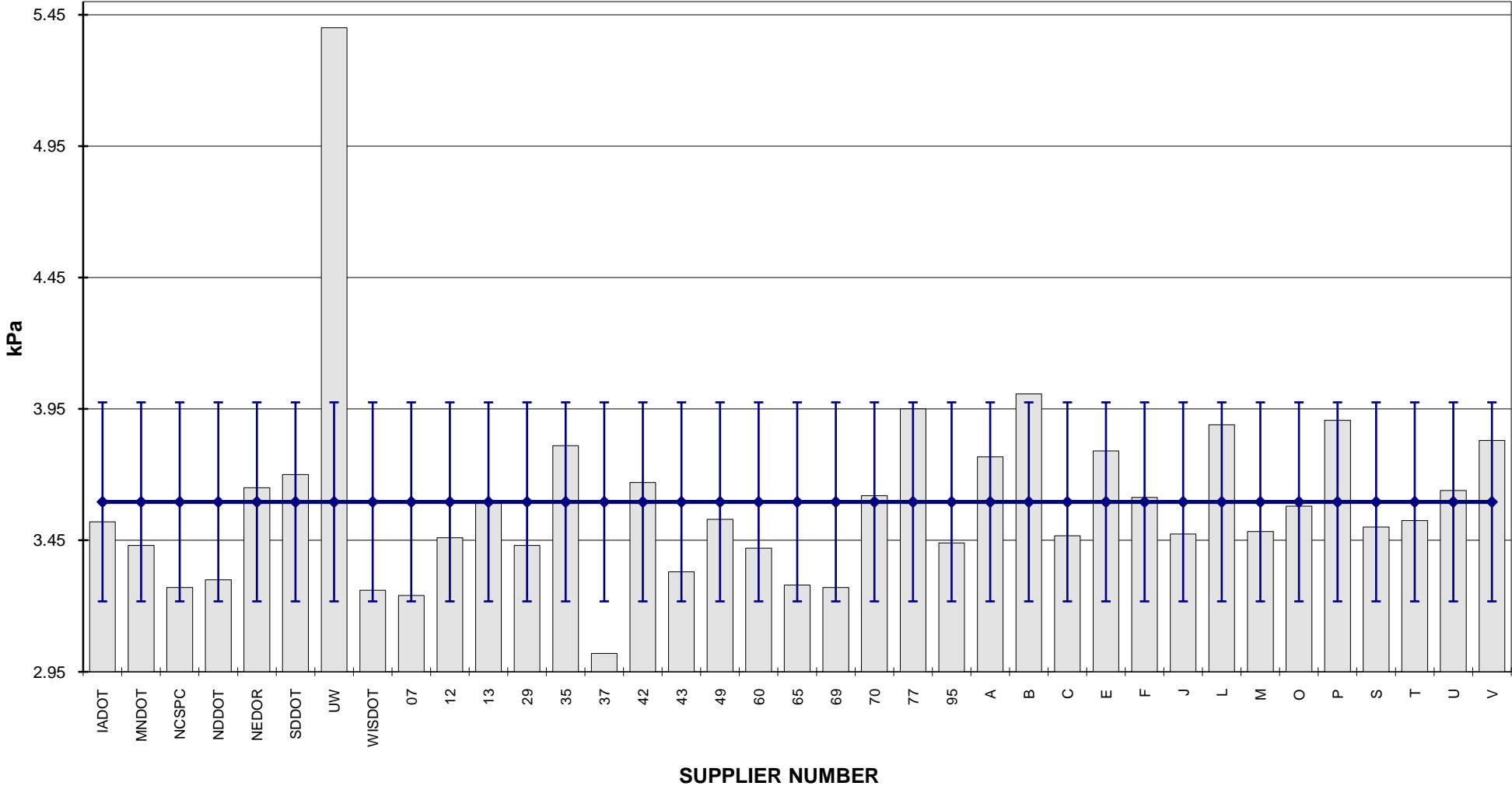
**COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4
SUMMARY B
PG 58-28**

DSR - ORIGINAL

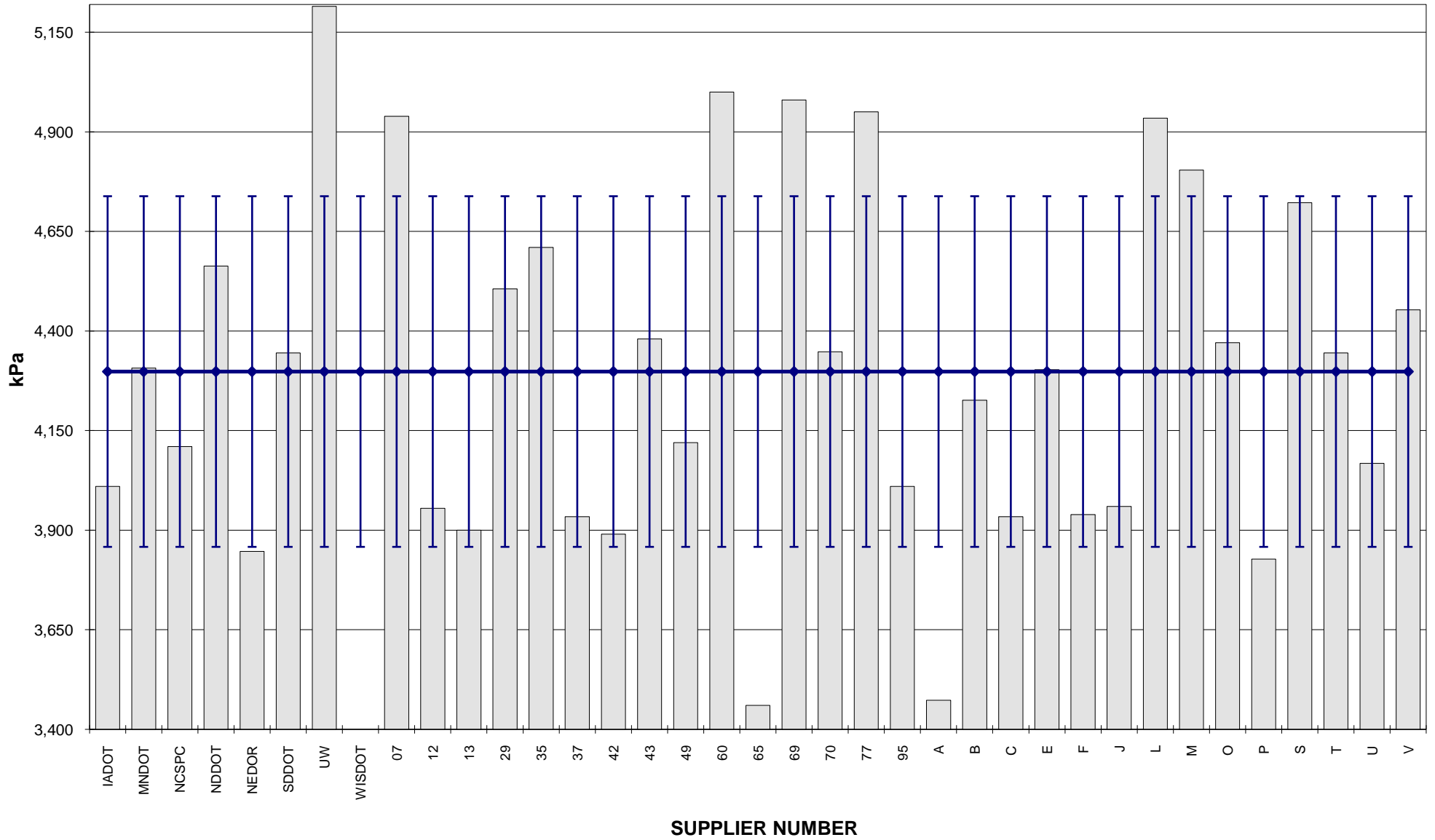


COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4
SUMMARY B
PG 58-28

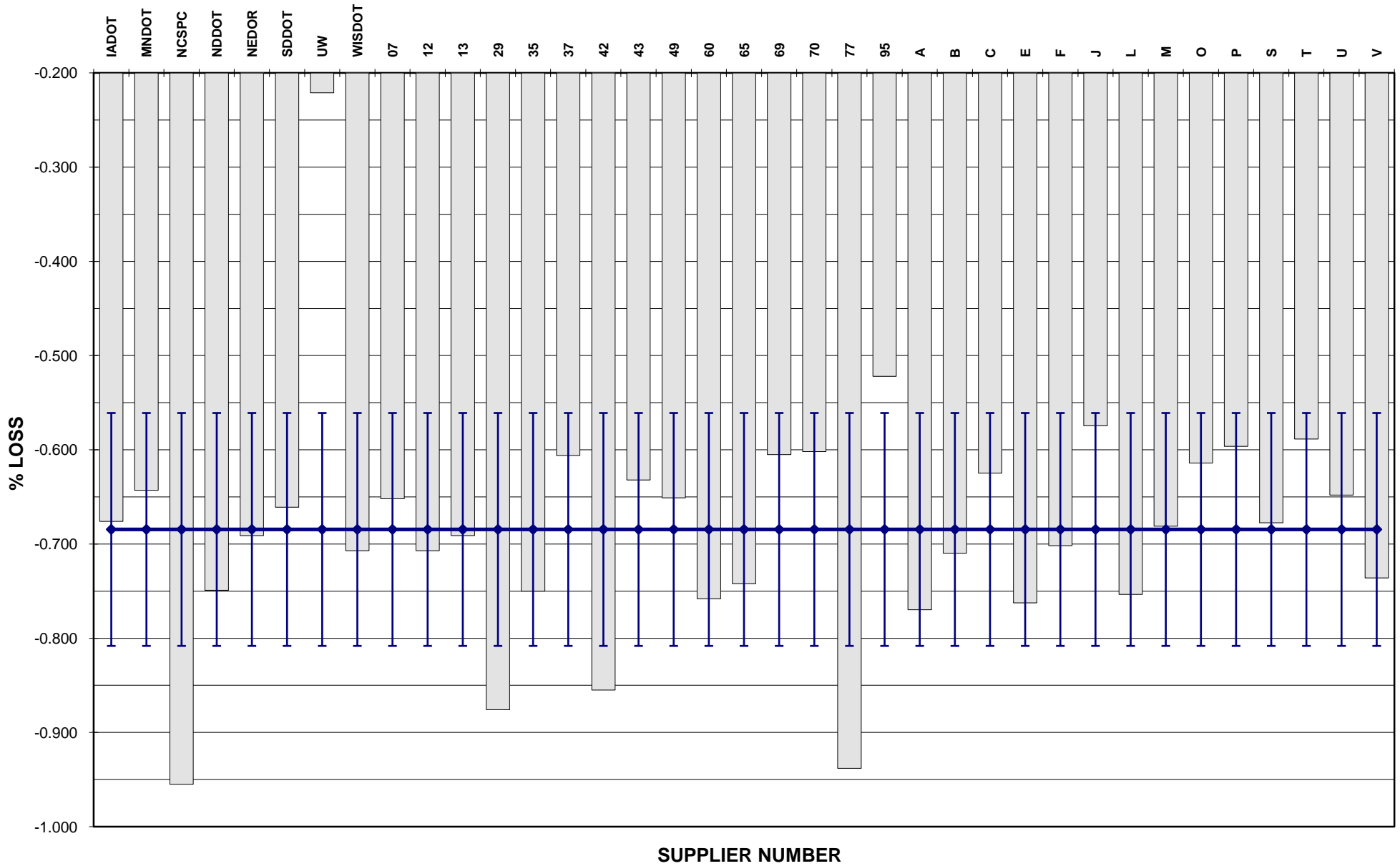
DSR - RTFO



COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4
SUMMARY B
PG 58-28
DSR - PAV



RTFO MASS LOSS

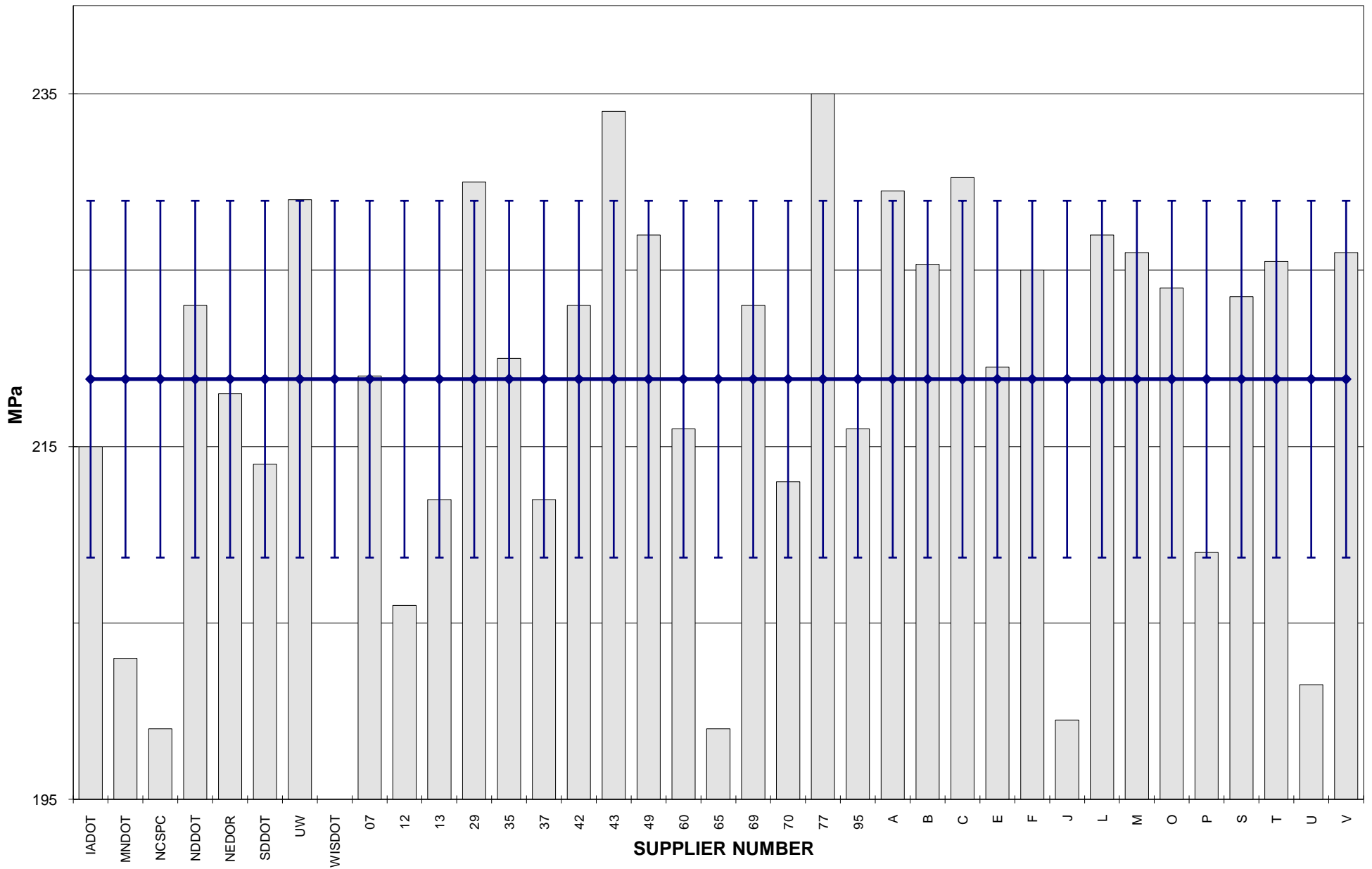


COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4

SUMMARY B

PG 58-28

BBR STIFFNESS



COMBINED STATE BINDER GROUP ROUND ROBIN 2010-4

SUMMARY B

PG 58-28

BBR m-VALUE

