

An orange triangle with a black outline, pointing upwards, centered on the page.

Combined State Binder Group

Method of Acceptance for
Asphalt Binders

Round Robin 2006-2

Summary B

COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2

SUMMARY B

PG 58-28

Supplier Number	Rotational Viscosity (Pa.s) @135°C	DSR Original (kPa) @58°C	DSR RTFO (kPa) @58°C	DSR PAV (kPa) @19°C	Mass Loss (%) @163°C	BBR S-value (MPa) @-18°C	BBR m-value @-18°C
IADOT	0.290	1.41	3.67	4,526	-0.551	268	0.315
MIDOT	0.287	1.33	3.58	4,063	-0.515	224	0.326
MNDOT	0.262	1.35	3.65	4,748	-0.561	216	0.306
NCSPC	0.286	1.39	3.52	3,729	-0.543	245	0.314
NDDOT	0.283	1.33	3.48	4,609	-0.553	247	0.313
NEDOR	0.270	1.29	3.52	4,799	-0.530	252	0.304
OHDOT D2	0.272	1.36	3.70	4,753	-0.542	267	0.302
SDDOT	0.275	1.37	3.35	4,758	-0.452	249	0.309
UW	0.290	1.29	3.18	4,731	-0.642	249	0.325
WISDOT	0.288	1.26	3.20	4,565	-0.422	225	0.313
07	0.293	1.41	3.51	5,617	-0.640	249	0.318
12	0.268	1.38	3.73	4,740	-0.666	248	0.314
16	0.291	1.25	3.43	4,886	-0.491	239	0.320
18	0.275	1.36	3.70	4,588	-0.526	233	0.328
22	0.273	1.23	3.07	4,280	-0.580	259	0.317
29	0.283	1.32	3.36	4,552	-0.538	257	0.313
35	0.285	1.18	3.35	3,914	-0.549	265	0.313
37	0.303	1.39	3.55	5,746	-0.461	244	0.316
42	0.293	1.33	3.73	4,415	-0.693	222	0.313
43	0.273	1.33	3.50	4,761	-0.489	250	0.318
46	0.273	1.28	3.21	4,253	-0.583	236	0.319
49	0.303	1.33	3.88	4,064	-0.658	233	0.319
61	0.281	1.34	3.69	4,552	-0.628	235	0.309
65	0.308	1.37	3.68	3,400	-0.505	224	0.316
69	0.285	1.34	3.70	5,820	-0.639	244	0.315
70	0.287	1.25	3.40	3,739	-0.610	223	0.329
77	0.278	1.42	4.01	2,334	-0.535	269	0.291
79	0.287	1.37	3.61	4,529	-0.528	232	0.327
95	0.292	1.29	3.60	4,446	-0.444	248	0.315
A	0.274	1.23	3.30	4,759	-0.540	246	0.321
B	0.278	1.30	3.75	4,288	-0.473	244	0.320
C	0.277	1.26	3.40	4,240	-0.485	260	0.308
E	0.280	1.28	3.78	4,442	-0.664	245	0.306
F	0.276	1.27	3.51	4,504	-0.503	255	0.312
J	0.292	1.29	3.36	4,351	-0.435	233	0.316
L	0.266	1.27	3.33	4,524	-0.485	234	0.334
M	0.393	1.29	3.67	4,555	-0.522	255	0.307
O	0.292	1.25	3.30	3,235	-0.500	227	0.322
P	0.270	1.33	3.33	3,465	-0.461	218	0.344
S	0.293	1.42	3.85	3,974	-0.560	254	0.313
T	0.282	1.31	3.62	4,533	-0.318	240	0.319
U	0.286	1.30	3.41	4,647	-0.472	246	0.322
Average	0.286	1.32	3.53	4,415	-0.535	243	0.316
Std. Dev.	0.0199	0.0569	0.2082	624.33	0.0773	13.96	0.0091
Coef. of Var.	6.959	4.317	5.903	14.141	14.432	5.744	2.862

COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
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A	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
51	0.274	1.24	3.27	4,745	-0.556	246	0.322
97	0.274	1.24	3.30	4,779	-0.547	247	0.320
98	0.274	1.20	3.32	4,754	-0.518	244	0.320
Average	0.274	1.23	3.30	4,759	-0.540	246	0.321

B	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
01	0.280	1.30	3.85	4,122	-0.451	240	0.324
17	0.280	1.29	3.69	4,171	-0.448	252	0.318
45	0.275	1.30	3.70	4,572	-0.519	241	0.319
Average	0.278	1.30	3.75	4,288	-0.473	244	0.320

C	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
21	0.274	1.25	3.45	4,297	-0.473	261	0.307
28	0.275	1.27	3.33	3,925	-0.466	256	0.309
66	0.275	1.25	3.63	4,520	-0.497	262	0.305
90	0.283	1.26	3.24	4,104	-0.487	254	0.311
99	0.278	1.28	3.34	4,355	-0.500	266	0.307
Average	0.277	1.26	3.40	4,240	-0.485	260	0.308

E	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
15	0.277	1.33	3.75	4457	-0.668	245	0.309
89	0.282	1.23	3.81	4426	-0.659	245	0.303
Average	0.280	1.28	3.78	4,442	-0.664	245	0.306

F	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
02	0.273	1.30	3.63	4,486	-0.495	262	0.314
11	0.275	1.29	3.22	4,303	-0.507	245	0.309
34	0.280	1.30	3.71	4,654	-0.511	255	0.315
48	0.280	1.22	3.82	4,540	-0.519	256	0.311
56	0.272	1.24	3.38	4,626	-0.502	253	0.308
62	0.278	1.25	3.27	4,415	-0.483	260	0.316
Average	0.276	1.27	3.51	4,504	-0.503	255	0.312

J	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
05	0.291	1.32	3.34	4,519	-0.403	226	0.314
08	0.303	1.32	3.28	4,412	-0.455	237	0.320
10	0.292	1.28	3.29	4,142	-0.382	235	0.318
26	0.292	1.31	3.37	4,617	-0.407	238	0.320
31	0.290	1.25	3.29	4,401	-0.408	228	0.320
36	0.291	1.27	3.43	4,324	-0.429	234	0.316
38	0.291	1.31	3.47	4,234	-0.472	237	0.318
41	0.291	1.26	3.28	4,657	-0.445	234	0.315
44	0.290	1.30	3.46	4,216	-0.474	236	0.308
52	0.291	1.28	3.32	4,115	-0.484	232	0.310
74	0.292	1.27	3.42	4,223	-0.429	229	0.314
Average	0.292	1.29	3.36	4,351	-0.435	233	0.316

L	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
25	0.267	1.27	3.25	4,448	-0.492	220	0.338
59	0.265	1.27	3.40	4,600	-0.477	248	0.330
Average	0.266	1.27	3.33	4,524	-0.485	234	0.334

M	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
04	0.390	1.25	3.59	4,574	-0.521	253	0.310
47	0.395	1.37	3.79	4,514	-0.466	258	0.304
57	0.395	1.26	3.62	4,577	-0.578	255	0.306
Average	0.393	1.29	3.67	4,555	-0.522	255	0.307

O	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
76	0.284	1.25	3.46	2974	-0.487	232	0.324
85	0.300	1.25	3.14	3495	-0.513	222	0.319
Average	0.292	1.25	3.30	3,235	-0.500	227	0.322

P	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
71	0.268	1.32	3.47	3,725	-0.489	216	0.342
73	0.272	1.33	3.19	3,204	-0.433	219	0.345
Average	0.270	1.33	3.33	3,465	-0.461	218	0.344

S	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
53	0.290	1.39	3.71	4920	-0.500	250	0.315
64	0.295	1.45	3.99	3027	-0.620	257	0.31
Average	0.293	1.42	3.85	3974	-0.560	254	0.313

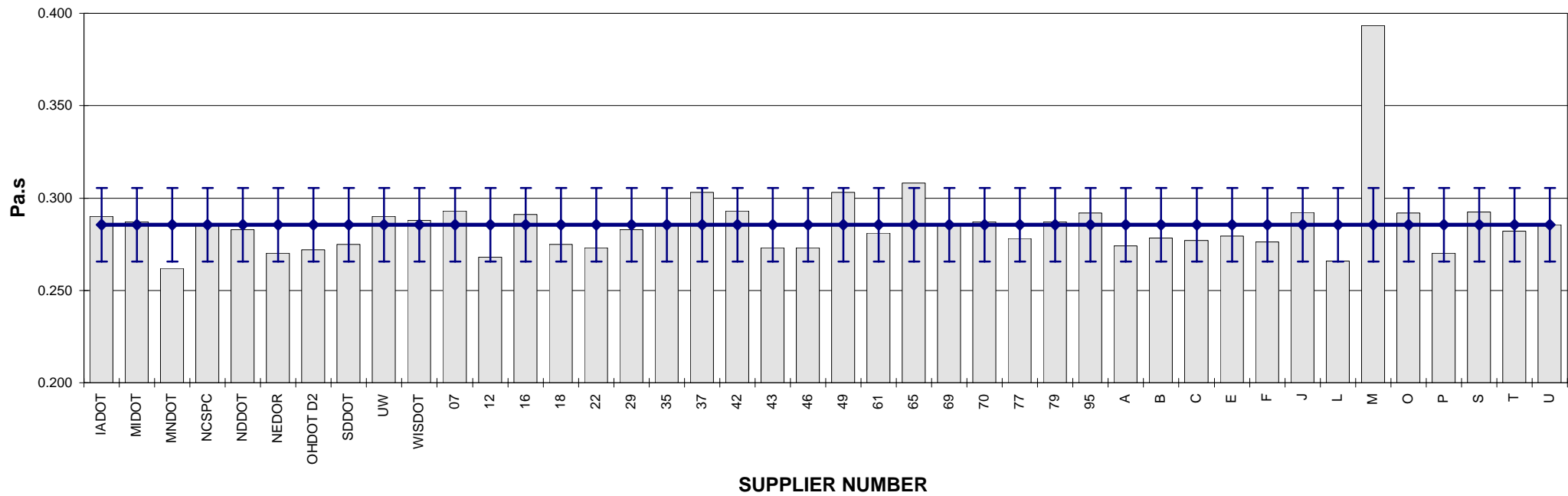
T	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
54	0.282	1.35	3.57	4724	-0.507	244	0.320
87	0.283	1.28	3.77	4550	-0.042	243	0.318
88	0.281	1.29	3.52	4325	-0.404	234	0.320
Average	0.282	1.31	3.62	4533	-0.318	240	0.319

U	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
13	0.288	1.29	3.43	4,642	-0.472	249	0.327
24	0.285	1.31	3.44	4,586	-0.447	232	0.318
33	0.283	1.31	3.41	4,700	-0.494	253	0.326
93	0.286	1.29	3.36	4,658	-0.474	250	0.318
Average	0.286	1.30	3.41	4,647	-0.472	246	0.322

COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
SUMMARY B

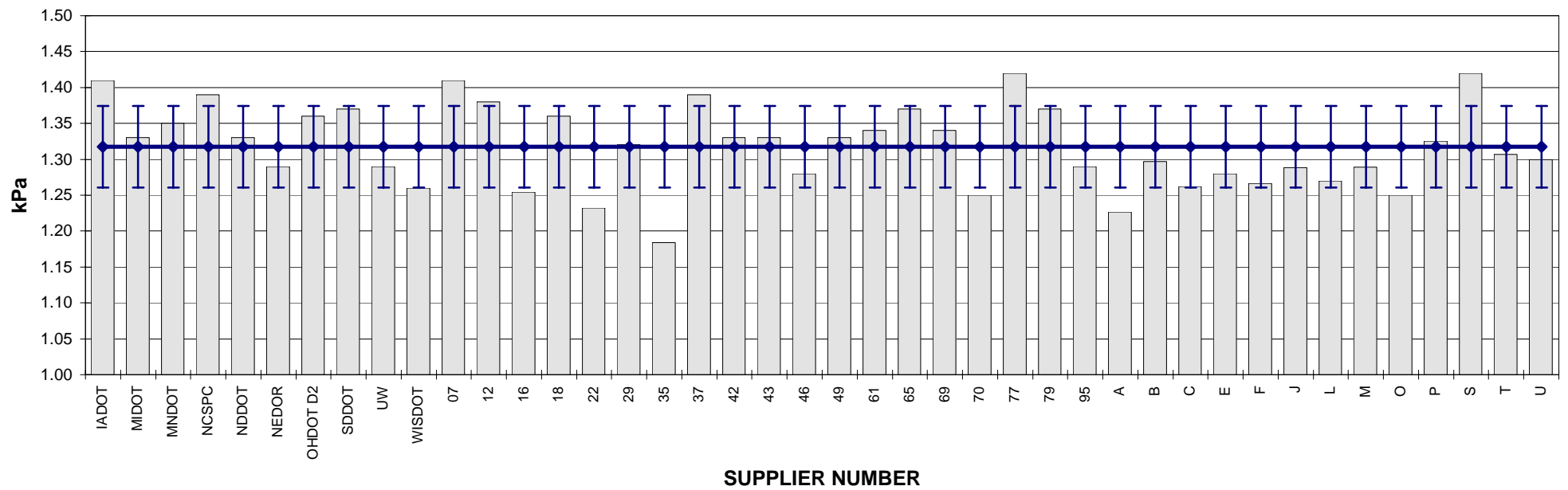
PG 58-28

ROTATIONAL VISCOSITY



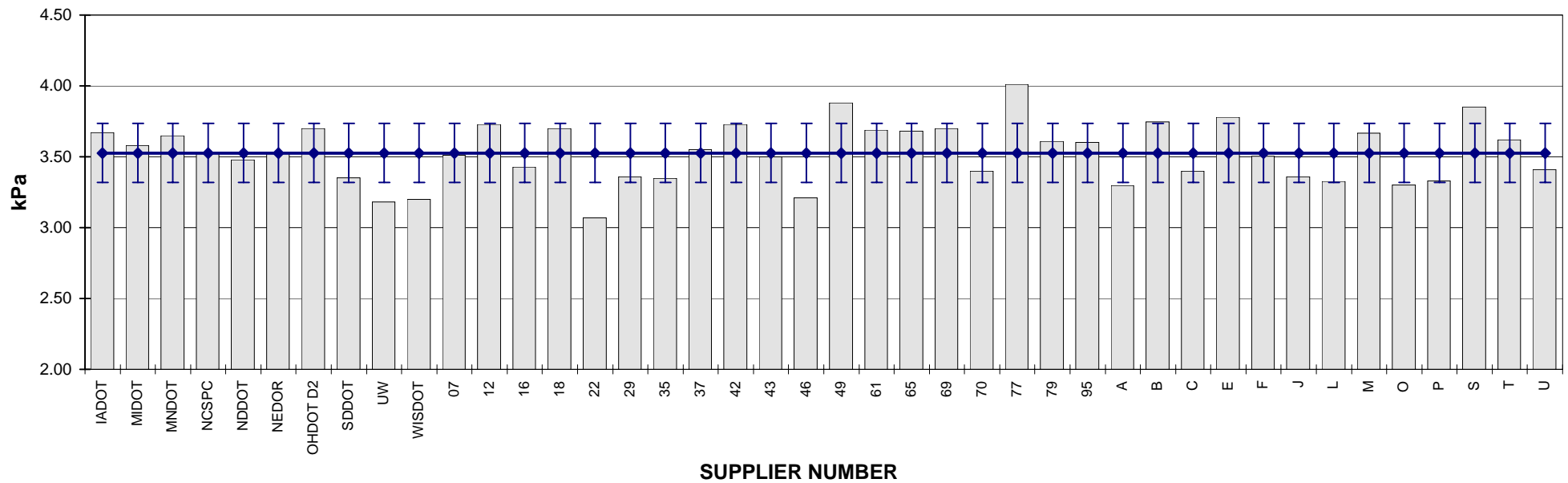
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DSR - ORIGINAL

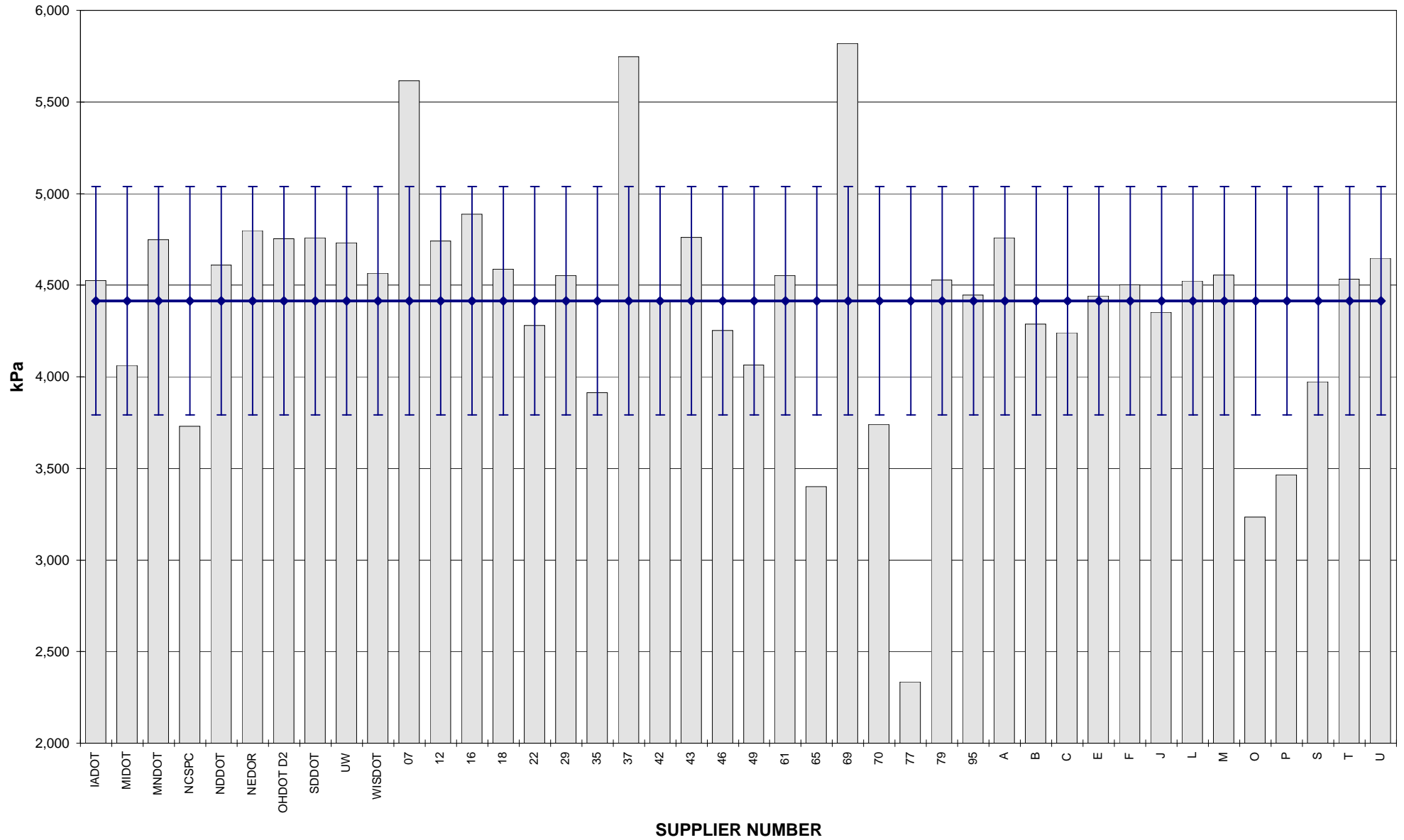


COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
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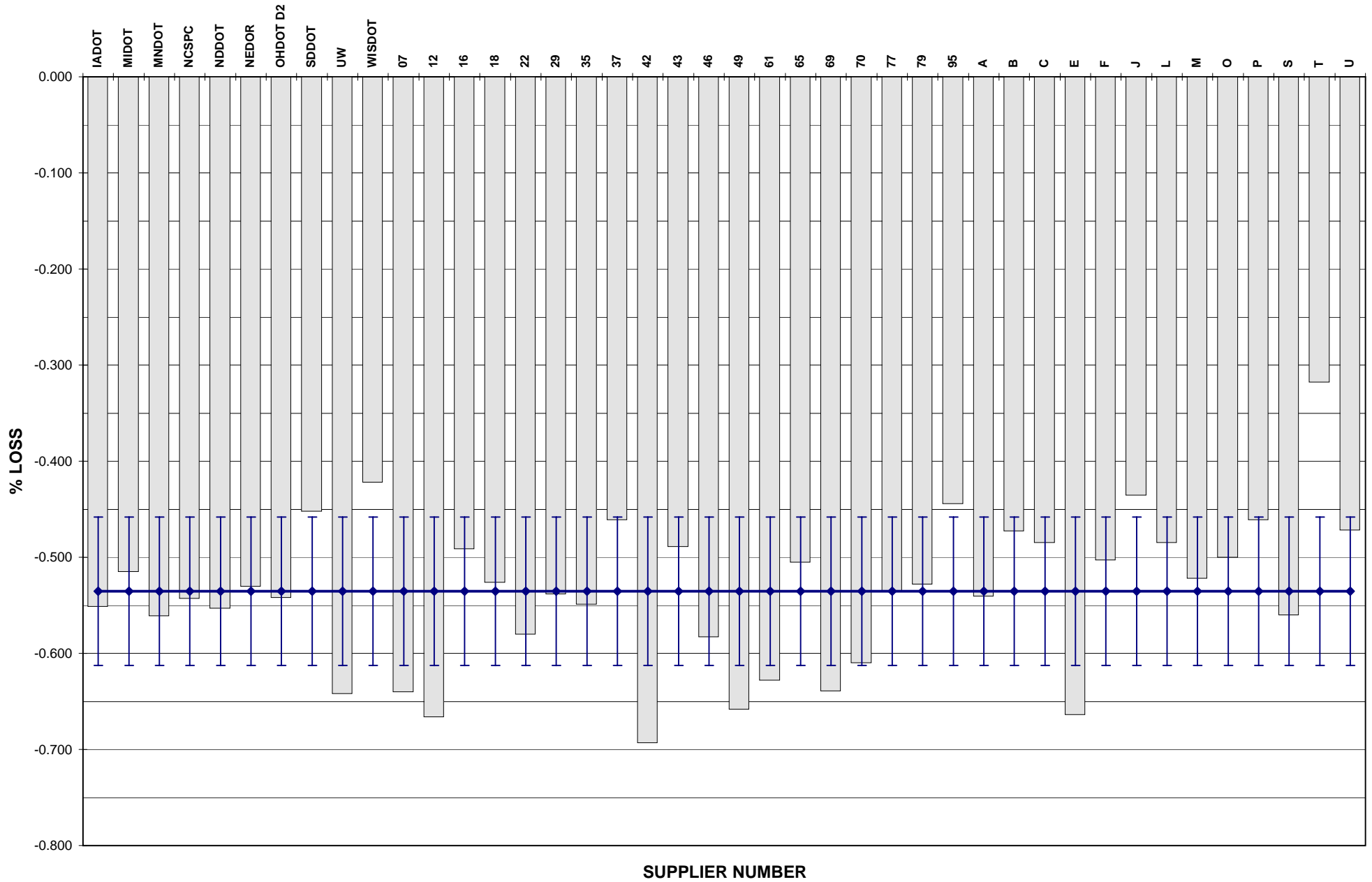
DSR - RTFO



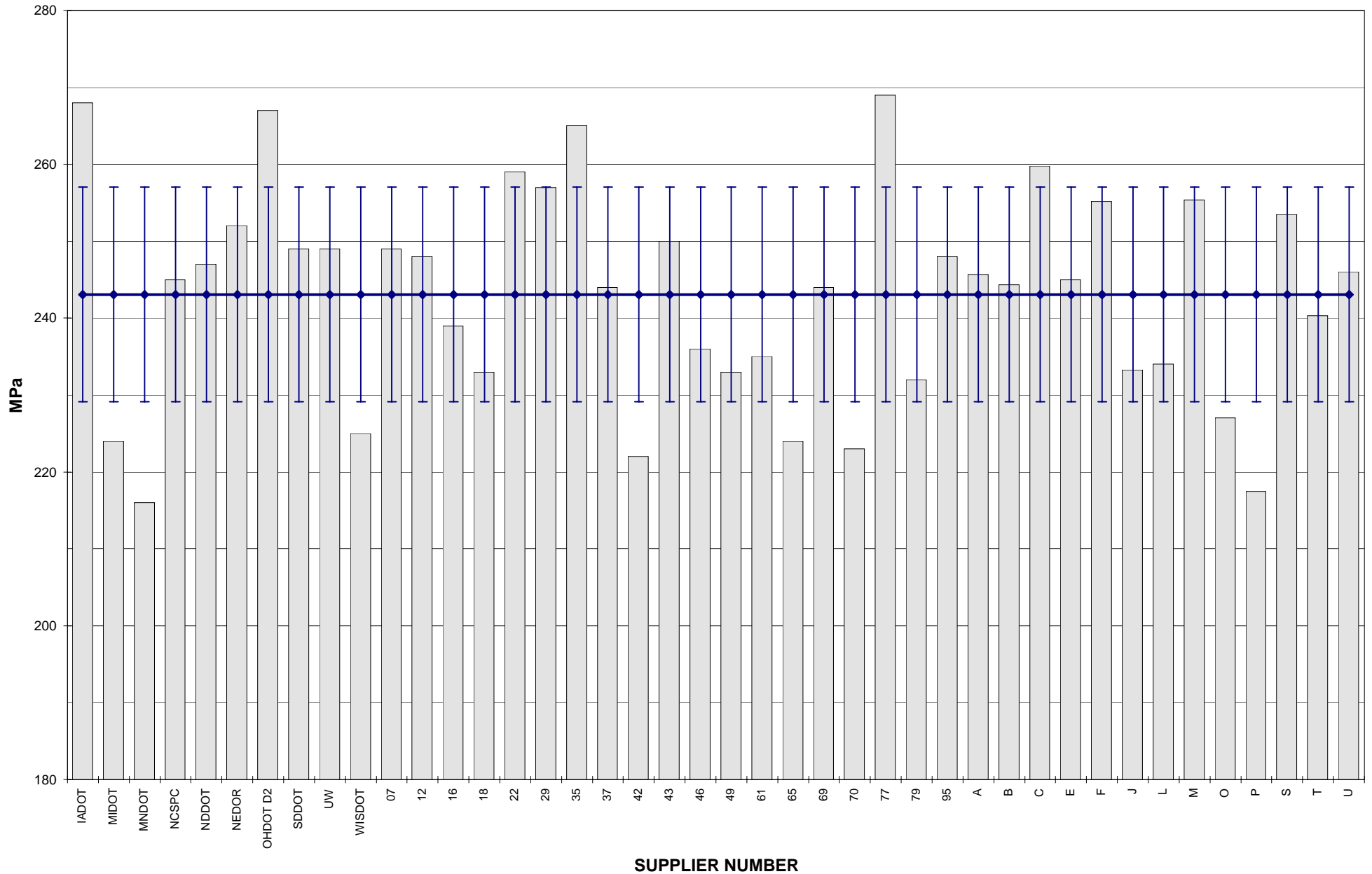
COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
SUMMARY B
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DSR - PAV



COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
SUMMARY B
PG 58-28
RTFO MASS LOSS



COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
SUMMARY B
PG 58-28
BBR STIFFNESS



COMBINED STATE BINDER GROUP ROUND ROBIN 2006-2
SUMMARY B
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BBR m-VALUE

