

COMBINED STATE BINDER GROUP ROUND ROBIN 2008-2 SUMMARY B

PG 70-22

Supplier Number	Rotational Viscosity (Pa.s) @135°C	DSR Original (kPa) @64°C	DSR RTFO (kPa) @64°C	DSR PAV (kPa) @25°C	Mass Loss (%) @163°C	BBR S-value (MPa) @-12°C	BBR m-value @-12°C
IADOT	0.818	1.44	2.75	1412	-0.114	105	0.343
MNDOT	0.812	1.51	2.20	1509	-0.347	87	0.347
NCSPC	0.875	1.40	3.16	1562	-0.123	90	0.353
NDDOT	0.820	1.36	2.79	1397	-0.168	92	0.346
NEDOR	0.823	1.38	2.84	1315	-0.168	90	0.352
OHDOT D2	0.845	1.39	2.92	1744	-0.106	110	0.327
SDDOT	0.821	1.38	2.90	1820	-0.123	109	0.318
UW	0.906	1.48	2.92	1358	-0.531	98	0.339
WISDOT	0.906	1.48	2.92	1358	-0.531	98	0.339
07	0.828	1.41	2.72	1545	-0.153	96	0.345
12	0.811	1.44	3.08	1584	-0.204	99	0.342
22	0.834	1.44	2.57	1530	-0.173	102	0.347
24	0.855	1.43	3.12	1410	-0.108	98	0.352
29	0.891	1.36	2.91	1507	-0.205	87	0.359
35	0.848	1.49	3.07	1239	-0.124	93	0.338
37	0.907	1.43	2.85	1868	-0.224	102	0.332
42	0.883	1.44	3.07	1470	-0.191	99	0.344
43	0.836	1.39	2.89	1413	-0.121	103	0.352
49	0.870	1.45	3.00	1430	-0.145	100	0.341
65	0.838	1.32	3.70	1472	-0.170	90	0.346
69	0.879	1.49	3.06	1728	-0.168	98	0.351
70	0.840	1.41	2.75	1481	-0.142	92	0.353
77	0.903	1.68	3.36	3867	-0.005	234	0.338
95	0.860	1.40	3.05	1452	-0.132	89	0.363
A	0.838	1.39	2.91	1490	-0.549	99	0.353
B	0.832	1.41	3.25	1528	-0.055	90	0.348
C	0.828	1.33	2.78	1564	-0.115	95	0.348
E	0.852	1.42	3.06	1411	-0.153	94	0.349
F	0.845	1.45	3.19	1554	-0.139	104	0.346
J	0.872	1.41	2.92	1369	-0.102	96	0.349
L	0.921	1.32	2.66	1714	-0.138	95	0.342
M	0.888	1.41	2.87	1226	-0.157	93	0.360
O	0.865	1.33	2.81	1,431	-0.092	92	0.355
P	0.837	1.39	3.02	1356	-0.142	90	0.355
S	0.919	1.35	3.00	1477	-0.170	91	0.339
T	0.838	1.35	2.89	1332	-0.128	93	0.350
U	0.868	1.50	3.05	1463	-0.116	99	0.350
V	0.839	1.42	2.93	1347	-0.156	92	0.358
Average	0.857	1.42	2.95	1,546	-0.176	100	0.347
Std. Dev.	0.0315	0.0668	0.2382	412.83	0.1192	23.12	0.0090
Coef. of Var.	3.680	4.710	8.087	26.710	67.734	23.226	2.583

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A	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
19	0.848	1.38	2.83	1490	-1.192	103	0.350
51	0.838	1.41	2.87	1590	-0.305	100	0.349
97	0.834	1.39	3.08	1420	-0.548	90	0.358
98	0.832	1.36	2.86	1460	-0.151	101	0.356
Average	0.838	1.39	2.91	1490	-0.549	99	0.353

B	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
01	0.830	1.41	3.12	1227	-0.097	86	0.355
17	0.835	1.42	3.29	1950	-0.051	91	0.345
45	0.830	1.40	3.35	1407	-0.017	92	0.344
Average	0.832	1.41	3.25	1528	-0.055	90	0.348

C	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
21	0.828	1.33	2.80	1497	-0.123	95	0.350
28	0.819	1.31	2.74	1652	-0.127	95	0.342
66	0.824	1.29	2.78	1494	-0.123	96	0.344
90	0.833	1.37	2.83	1591	-0.092	93	0.352
99	0.834	1.33	2.77	1585	-0.109	95	0.351
Average	0.828	1.33	2.78	1564	-0.115	95	0.348

E	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
15	0.846	1.44	3.10	1400	-0.154	94	0.352
89	0.858	1.39	3.01	1422	-0.152	94	0.346
Average	0.852	1.42	3.06	1411	-0.153	94	0.349

F	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
02	0.842	1.48	3.68	1577	-0.158	101	0.343
11	0.899	1.48	3.67	1610	-0.167	104	0.347
34	0.833	1.44	3.05	1519	-0.121	104	0.352
48	0.836	1.39	2.91	1526	-0.117	101	0.339
56	0.837	1.48	2.92	1503	-0.187	109	0.346
62	0.824	1.45	2.93	1589	-0.081	103	0.351
Average	0.845	1.45	3.19	1554	-0.139	104	0.346

J	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
05	0.871	1.38	2.84	1227	-0.108	94	0.352
08	0.869	1.43	2.96	1199	-0.090	92	0.355
31	0.869	1.40	3.01	1494	-0.092	94	0.348
41	0.875	1.44	2.88	1475	-0.119	93	0.349
44	0.877	1.39	3.03	1427	-0.095	100	0.342
52	0.877	1.42	2.83	1428	-0.109	100	0.348
74	0.863	1.40	2.88	1333	-0.102	96	0.349
Average	0.872	1.41	2.92	1369	-0.102	96	0.349

L	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
25	0.921	1.32	2.56	1722	-0.127	95	0.339
59	0.921	1.32	2.75	1705	-0.148	95	0.345
Average	0.921	1.32	2.66	1714	-0.138	95	0.342

M	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
04	0.900	1.43	2.95	1196	-0.141	92	0.361
47	0.883	1.43	2.93	1232	-0.147	93	0.365
57	0.880	1.36	2.72	1251	-0.183	95	0.354
Average	0.888	1.41	2.87	1226	-0.157	93	0.360

O	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
76	0.865	1.33	2.81	1431	-0.092	92	0.355
85	0.865	1.33	2.81	1431	-0.092	92	0.355
Average	0.865	1.33	2.81	1431	-0.092	92	0.355

P	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
30	0.840	1.39	2.95	1080	-0.145	87	0.356
71	0.841	1.41	3.21	1641	-0.144	92	0.359
73	0.830	1.38	2.91	1346	-0.138	92	0.350
Average	0.837	1.39	3.02	1356	-0.142	90	0.355

S	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
53	0.914	1.32	2.99	1487	-0.165	91	0.341
64	0.923	1.37	3.01	1467	-0.174	91	0.337
Average	0.919	1.35	3.00	1477	-0.170	91	0.339

T	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
39	0.830	1.36	2.86	1378	-0.126	92	0.349
87	0.845	1.34	2.91	1286	-0.129	93	0.350
Average	0.838	1.35	2.89	1332	-0.128	93	0.350

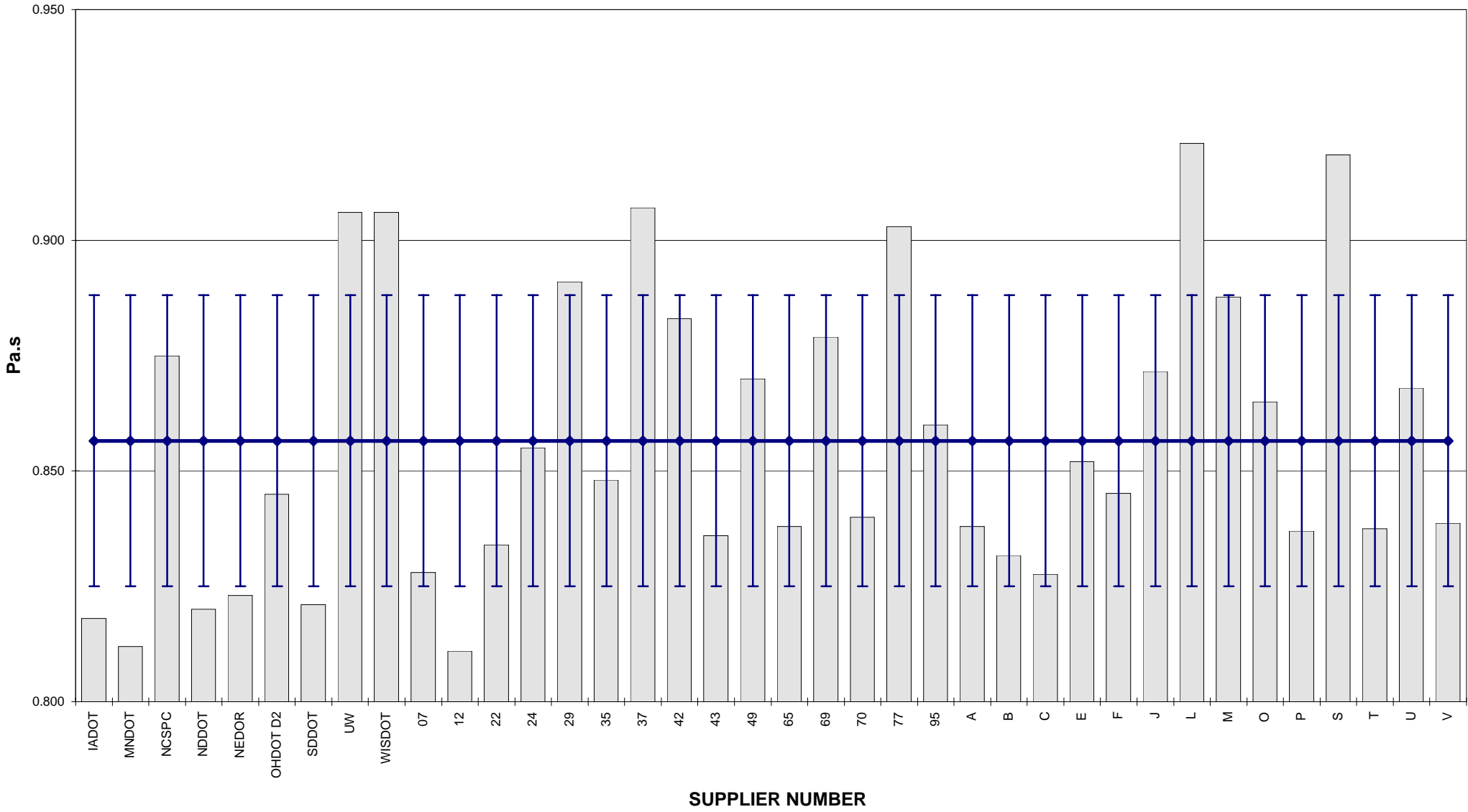
U	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
13	0.873	1.50	3.02	1505	-0.118	97	0.350
93	0.863	1.49	3.08	1420	-0.114	101	0.349
Average	0.868	1.50	3.05	1463	-0.116	99	0.350

V	Rot. Visc.	ODSR	RTFO DSR	PAVDSR	Mass Loss	S-value	m-value
58	0.843	1.45	2.95	1337	-0.158	89	0.362
78	0.835	1.39	2.94	1340	-0.150	94	0.355
81	0.838	1.41	2.90	1363	-0.160	93	0.356
Average	0.839	1.42	2.93	1347	-0.156	92	0.358

COMBINED STATE BINDER GROUP ROUND ROBIN 2008-2
SUMMARY B

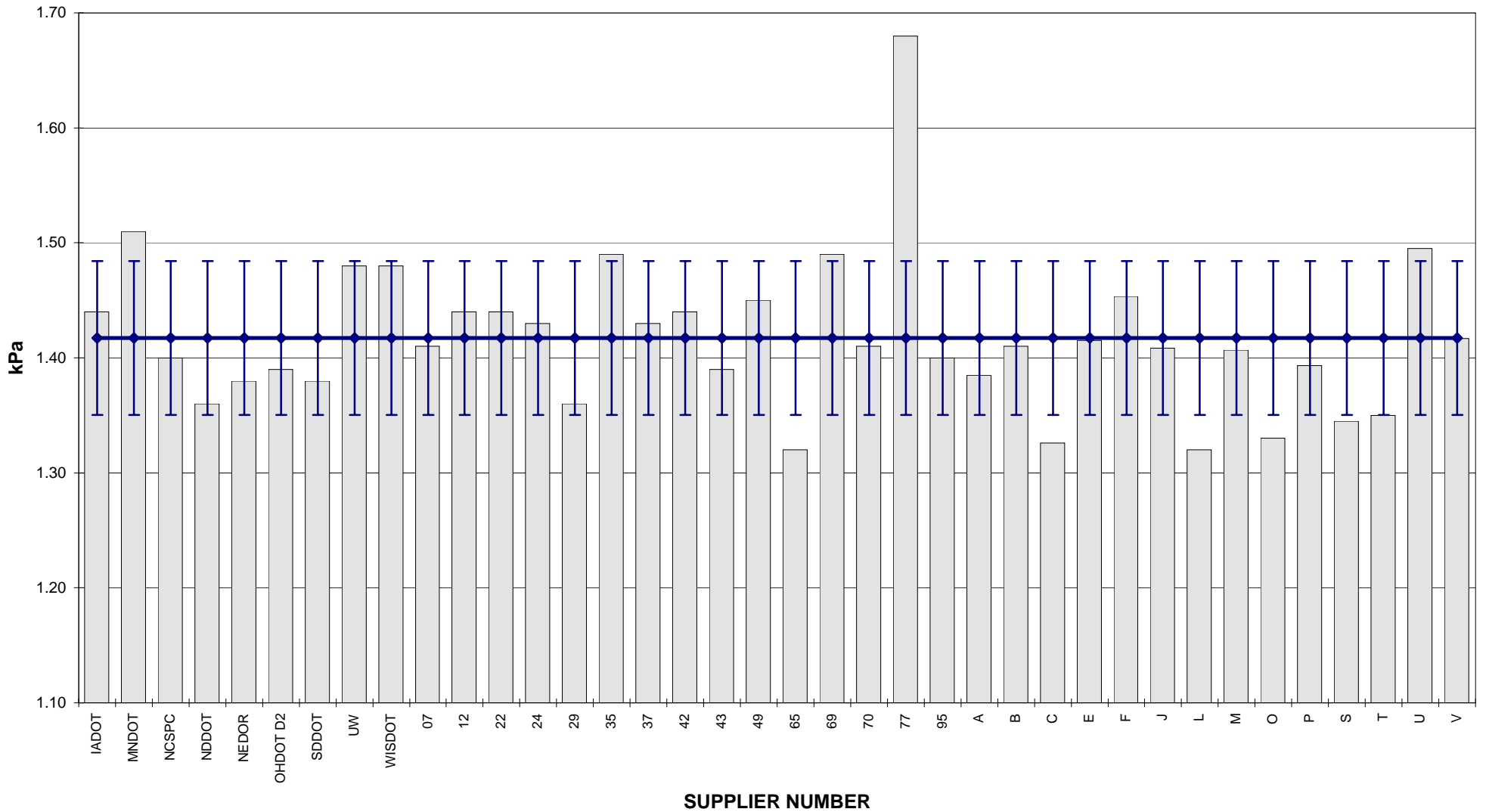
PG 70-22

ROTATIONAL VISCOSITY



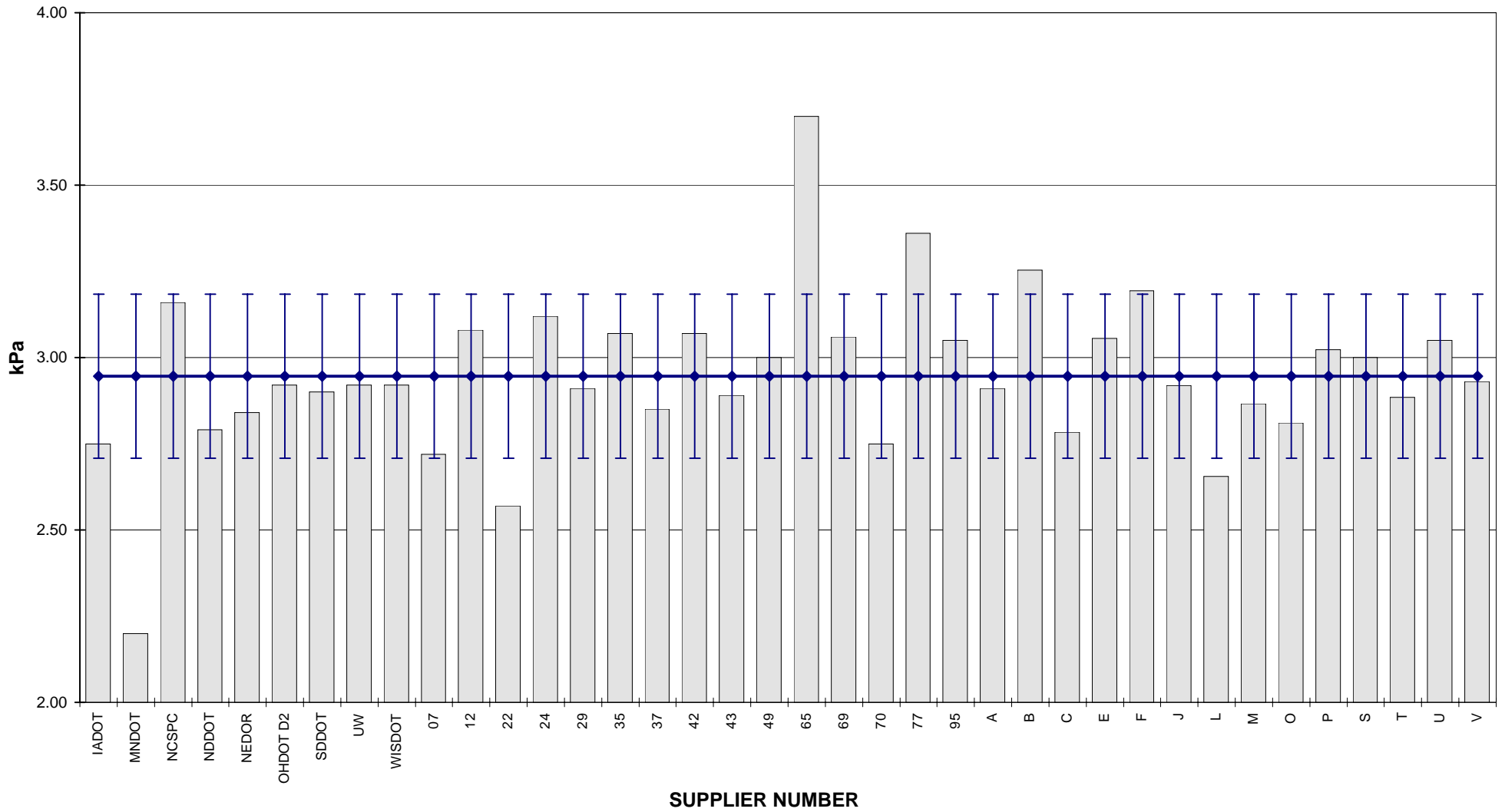
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DSR - ORIGINAL

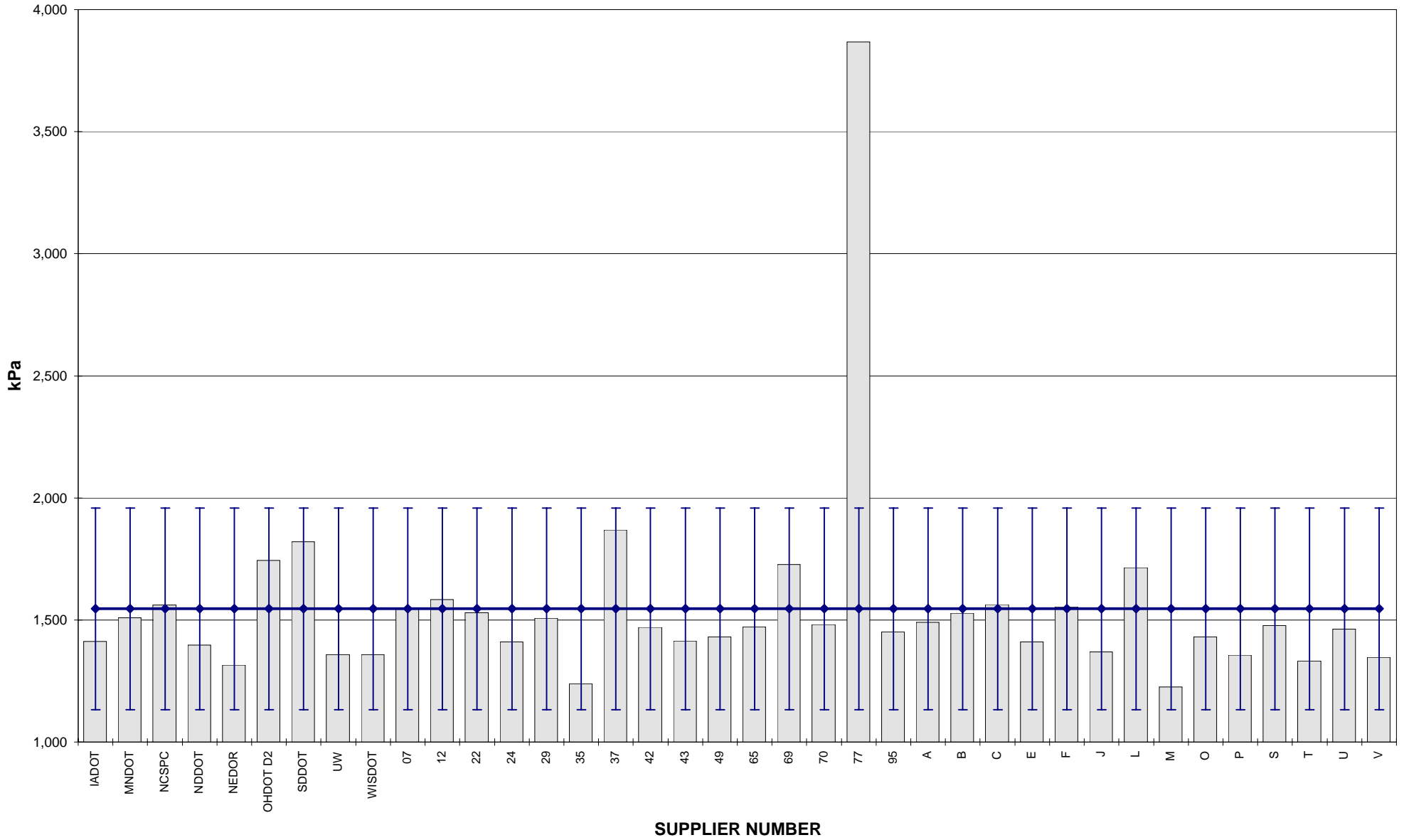


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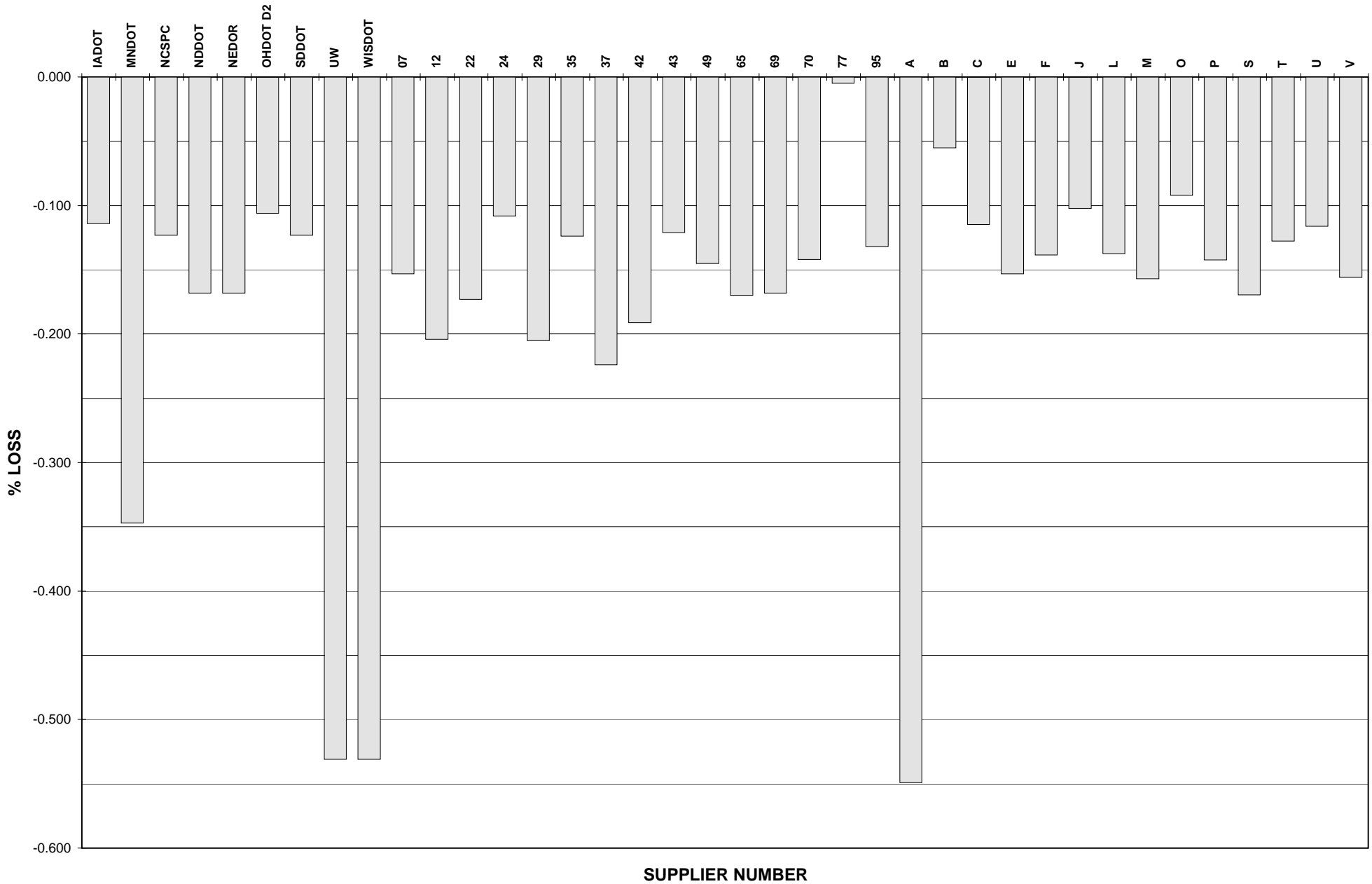
DSR - RTFO



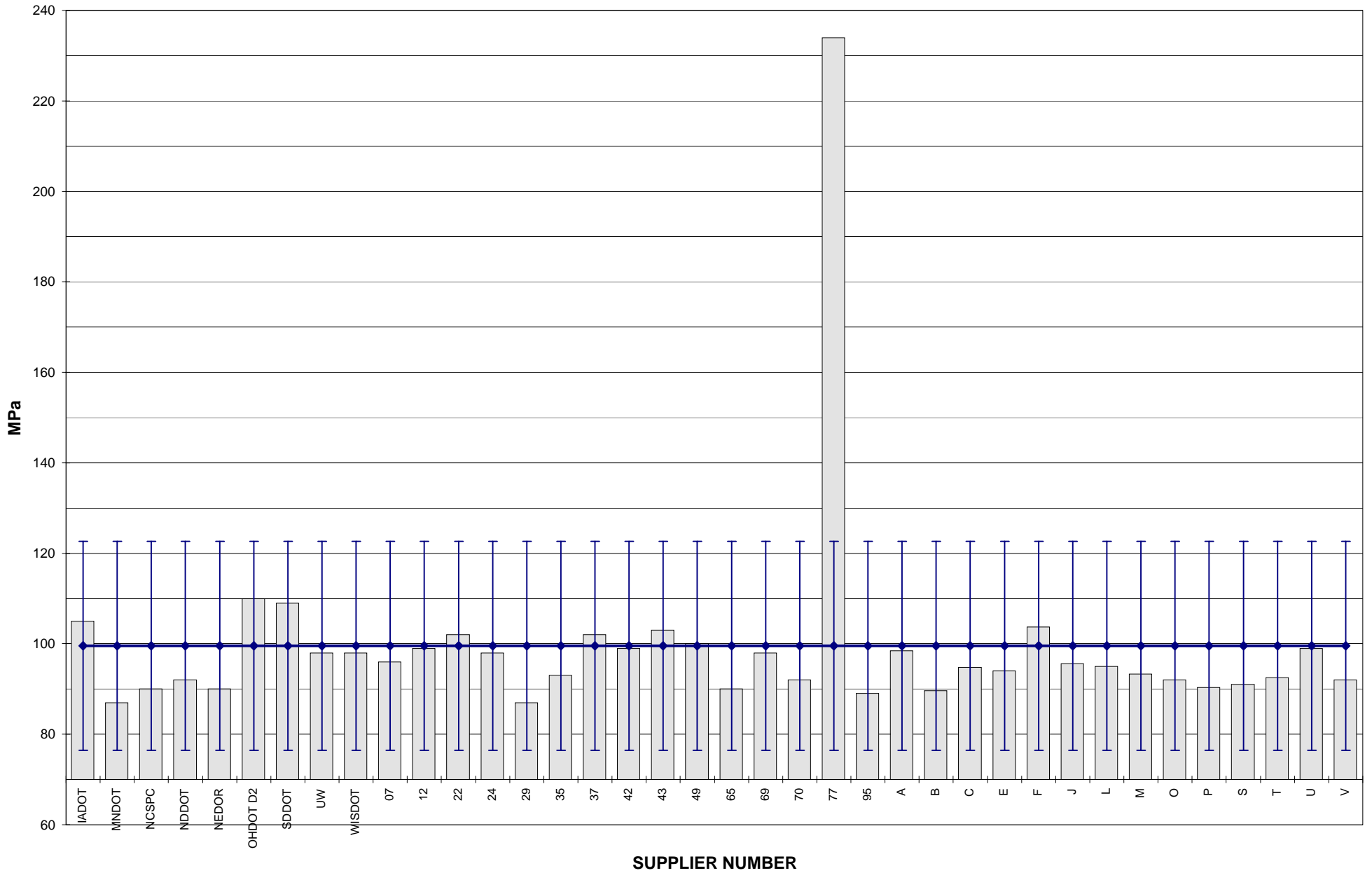
COMBINED STATE BINDER GROUP ROUND ROBIN 2008-2
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DSR - PAV



COMBINED STATE BINDER GROUP ROUND ROBIN 2008-2
 SUMMARY B
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RTFO MASS LOSS



COMBINED STATE BINDER GROUP ROUND ROBIN 2008-2
SUMMARY B
PG 70-22
BBR STIFFNESS



COMBINED STATE BINDER GROUP ROUND ROBIN 2008-2
SUMMARY B
PG 70-22
BBR m-VALUE

