

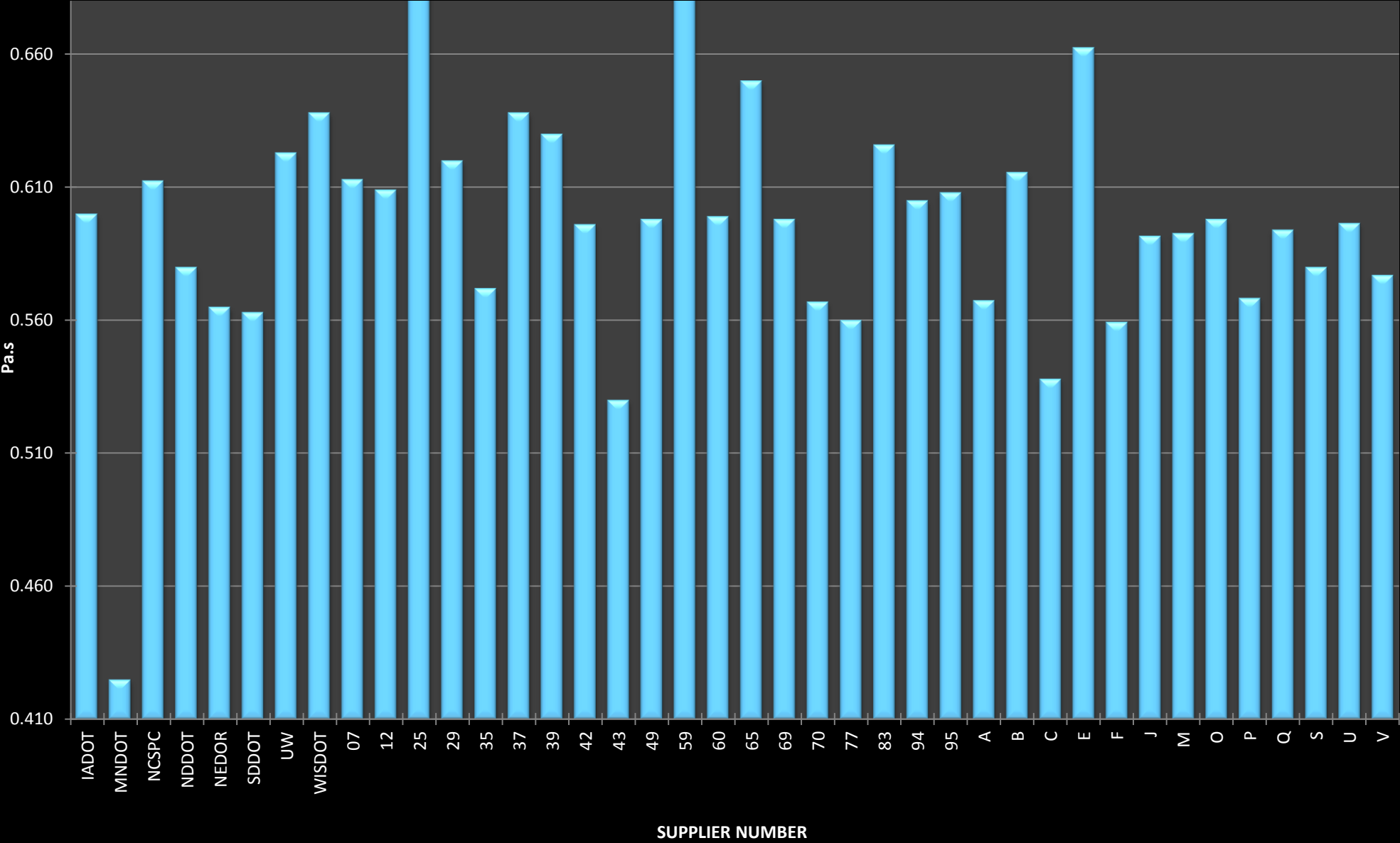
**COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1 SUMMARY B**  
**PG 64-34**

Supplier Number	Rotational Viscosity (Pa.s) @135°C	DSR Original (kPa) @64°C	DSR RTFO (kPa) @64°C	DSR PAV (kPa) @19°C	Mass Loss (%) @163°C	BBR S-value (MPa) @-24°C	BBR m-value @-24°C	Jnr @ 100 Pa @ 58°C	% Recov. @ 100 Pa @ 58°C	Jnr @ 3200 Pa @ 58°C	% Recov. @ 3200 Pa @ 58°C
IADOT	0.600	1.47	3.41	1830	-0.630	229	0.331	0.211	77.87	0.32	69.19
MNDOT	0.425	1.52	2.93	1625	-0.756	161	0.342	0.261	76.90	0.39	68.10
NCSPC	0.613	1.48	4.07	2270	-0.820	278	0.321	0.191	75.87	0.23	72.50
NDDOT	0.580	1.48	3.53	1738	-0.702	224	0.326	0.235	74.78	0.27	72.55
NEDOR	0.565	1.41	3.47	1575	-0.641	227	0.331	0.240	73.94	0.30	70.03
SDDOT	0.563	1.47	3.39	1419	-0.534	212	0.336	0.247	75.28	0.29	73.05
UW	0.623	1.50	3.94	1850	-0.701	171	0.340	0.190	75.69	0.22	73.34
WISDOT	0.638	1.58	3.96	1704	-0.564	224	0.338	0.189	76.08	0.24	71.84
07	0.613	1.37	3.20	1779	-0.636	210	0.327	0.390	62.02	0.46	61.76
12	0.609	1.46	3.46	1766	-0.813	235	0.332				
25	1.020	1.34	3.63	2657	-0.725	232	0.328	0.200	77.33	0.25	73.55
29	0.620	1.40	4.00	1410	-0.812	211	0.333	0.210	74.72	0.23	73.07
35	0.572	1.64	3.58	1680	-0.635	219	0.334				
37	0.638	1.44	3.52	3327	-0.614	221	0.318	0.234	74.91	0.27	73.68
39	0.630	1.41	3.62	1850	-0.410	219	0.325	0.219	75.54	0.25	73.15
42	0.596	1.45	3.94	1530	-0.817	224	0.343	0.140	82.33	0.20	75.68
43	0.530	1.43	3.92	1670	-0.701	228	0.344	0.190	76.51	0.22	73.77
49	0.598	1.49	3.39	1620	-0.727	223	0.337	0.190	79.62	0.29	71.41
59	0.725	1.45	3.68	1912	-0.661	230	0.336				
60	0.599	1.47	3.29	1680	-0.680	233	0.333	0.260	74.22	0.30	71.93
65	0.650	1.09	3.72	1799	-0.361	227	0.337	0.200	75.80	0.23	73.00
69	0.598	1.37	3.26	1723	-0.613	229	0.337	0.390	66.19	0.47	62.52
70	0.567	1.48	3.44	1592	-0.660	228	0.342	0.300	68.45	0.41	59.49
77	0.560	1.44	3.72	1800	-0.609	211	0.342	0.230	73.15	0.27	70.22
83	0.626	1.48	3.74	1653	-0.649	228	0.331	0.213	75.86	0.26	72.55
94	0.605	1.47	3.66	1701	-0.314	205	0.324	0.230	74.42	0.28	70.76
95	0.608	1.55	3.90	1650	-0.587	241	0.333	0.200	76.50	0.23	74.50
A	0.568	1.45	3.61	1821	-0.671	233	0.330	0.225	74.98	0.26	72.70
B	0.616	1.42	3.83	1934	-0.702	215	0.326	0.190	75.64	0.22	72.61
C	0.538	1.49	3.40	1727	-0.619	236	0.331	0.250	74.45	0.29	72.51
E	0.663	1.42	3.72	1559	-0.685	217	0.345	0.210	41.74	0.24	73.98
F	0.559	1.49	3.56	1,728	-0.544	227	0.333	0.232	74.36	0.26	73.00
J	0.592	1.42	3.56	1976	-0.700	226	0.324	0.202	76.93	0.27	71.70
M	0.593	1.30	3.20	1387	-0.633	227	0.333	0.277	72.33	0.34	68.67
O	0.598	1.61	3.84	1,110	-0.570	240	0.332	0.205	75.84	0.24	73.64
P	0.568	1.45	3.75	1709	-0.664	223	0.333				
Q	0.594	1.54	3.81	1464	-0.717	224	0.343	0.165	80.94	0.24	73.50
S	0.580	1.32	3.08	1275	-0.606	228	0.337				
U	0.597	1.47	3.84	1743	-0.717	259	0.333	0.155	81.33	0.23	74.44
V	0.577	1.42	3.72	1720	-0.656	226	0.332	0.200	77.47	0.31	67.34
<b>Average</b>	0.605	1.45	3.61	1,749	-0.646	224	0.333	0.225	74.28	0.28	71.31
<b>Std. Dev.</b>	0.0807	0.0902	0.2656	358.8114	0.1088	18.5125	0.0065	0.0526	6.8133	0.0649	3.6447
<b>Coef. of Var.</b>	13.336	6.227	7.363	20.515	16.835	8.263	1.940	23.407	9.172	23.197	5.111



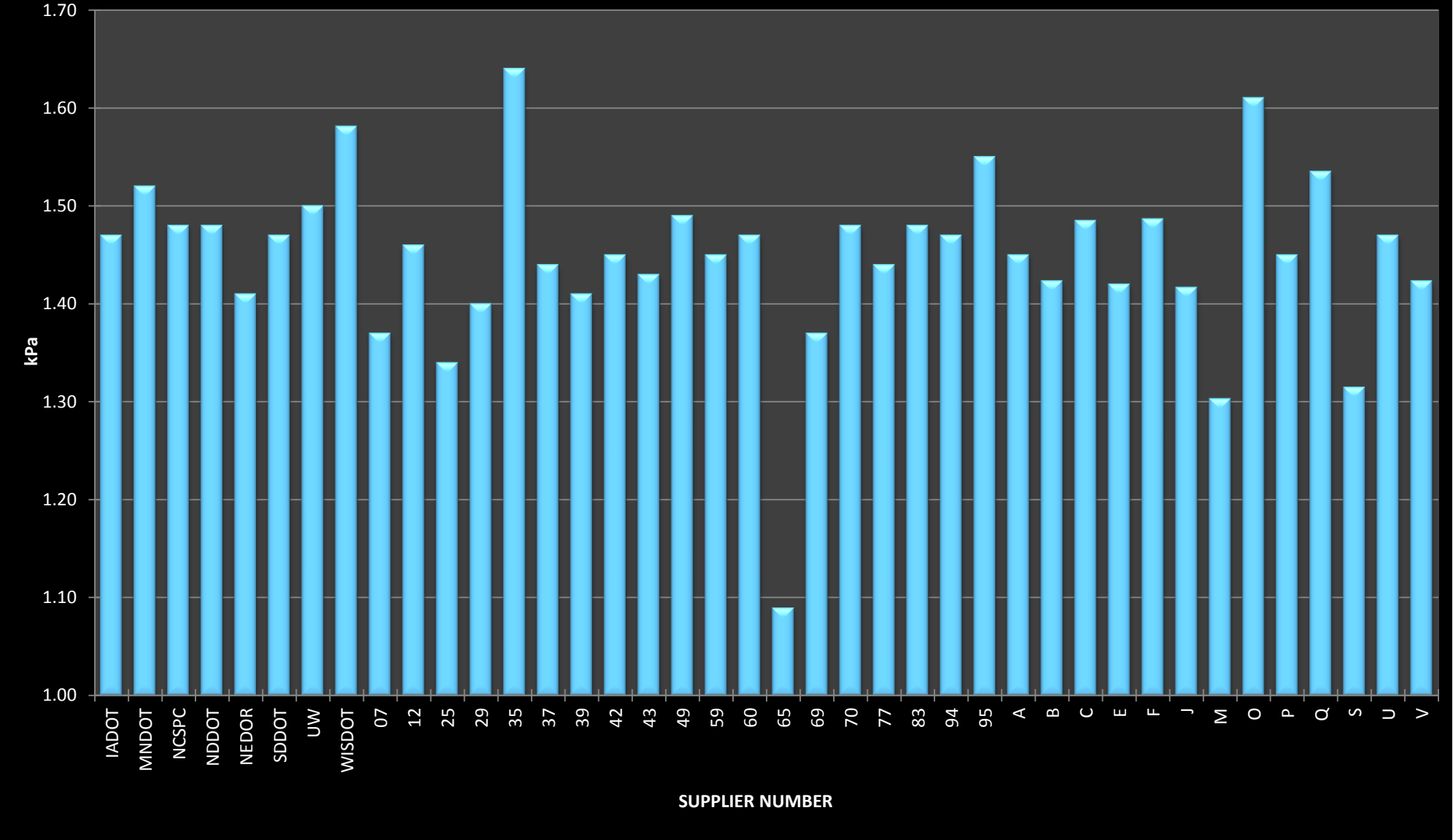
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

ROTATIONAL VISCOSITY



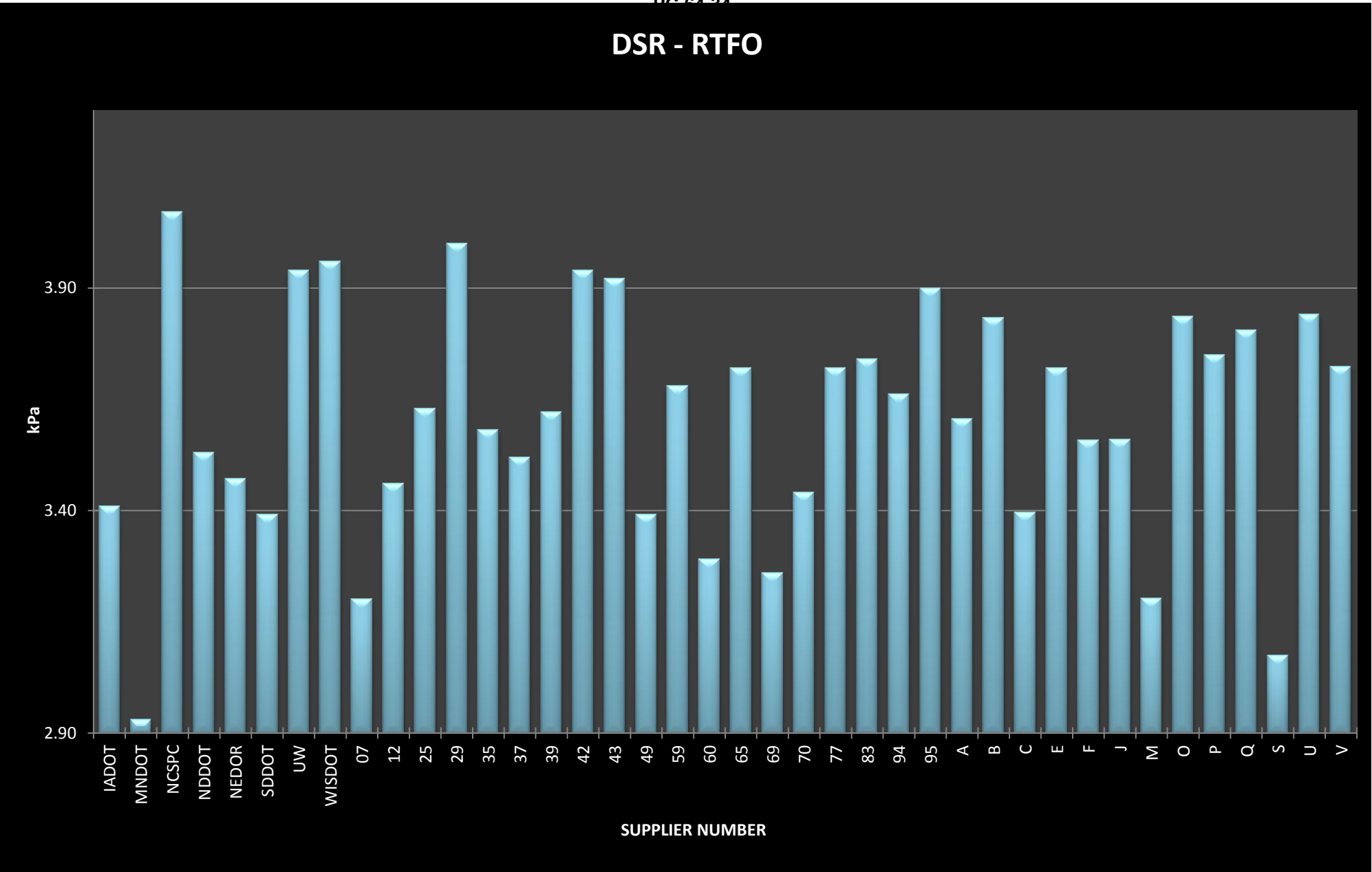
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

DSR - ORIGINAL



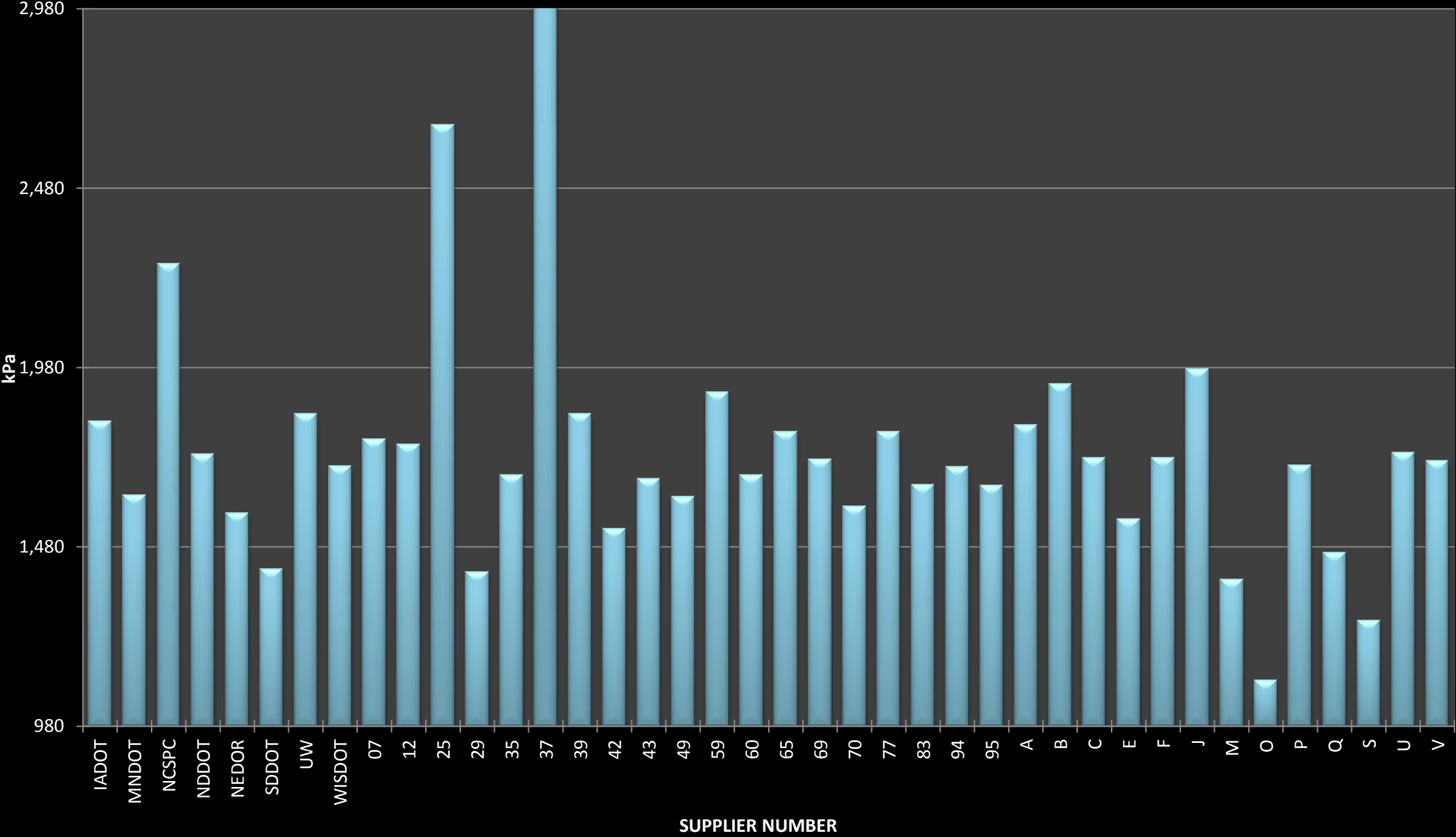
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
 SUMMARY B  
 PG 64/84

DSR - RTFO



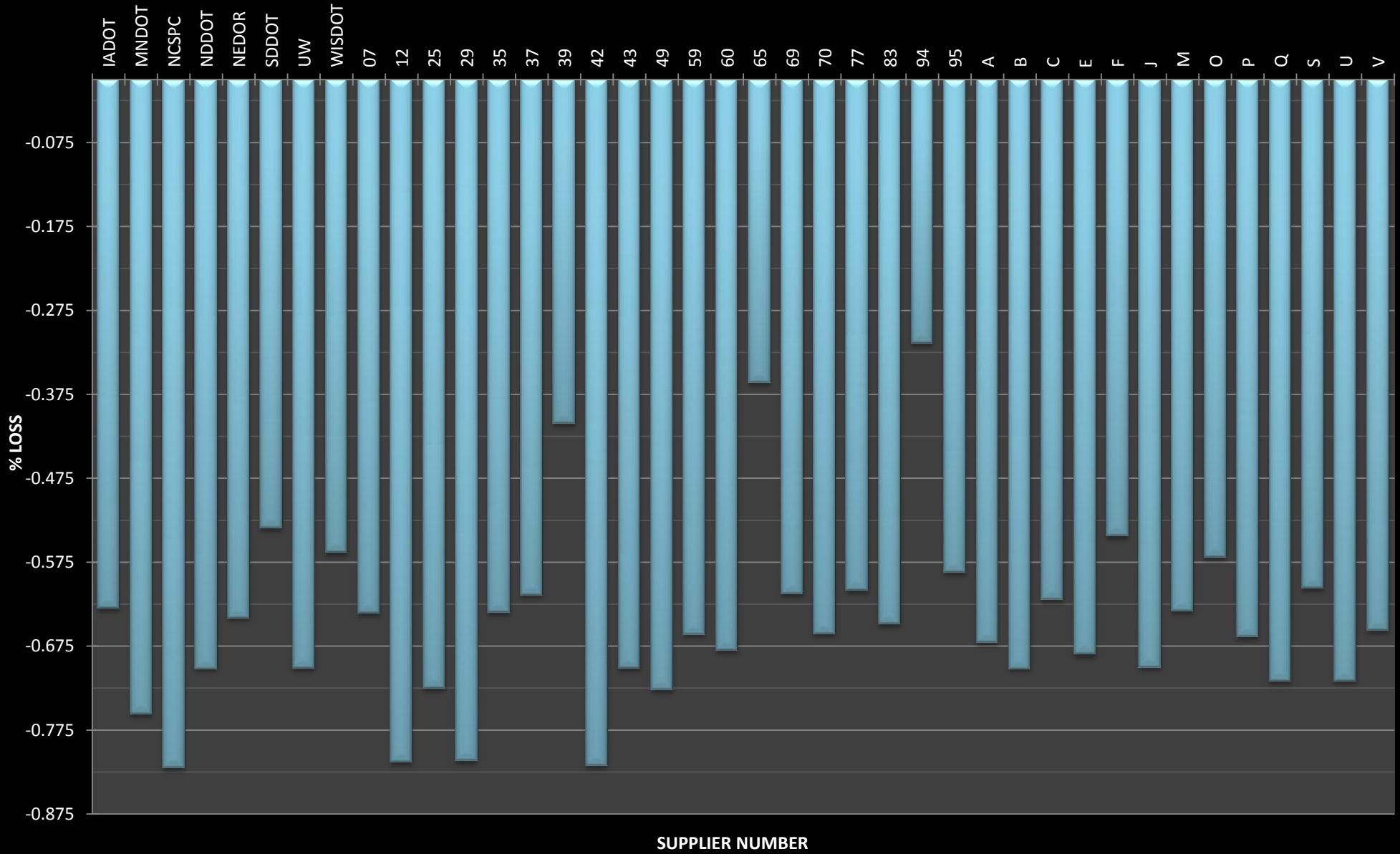
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

DSR - PAV

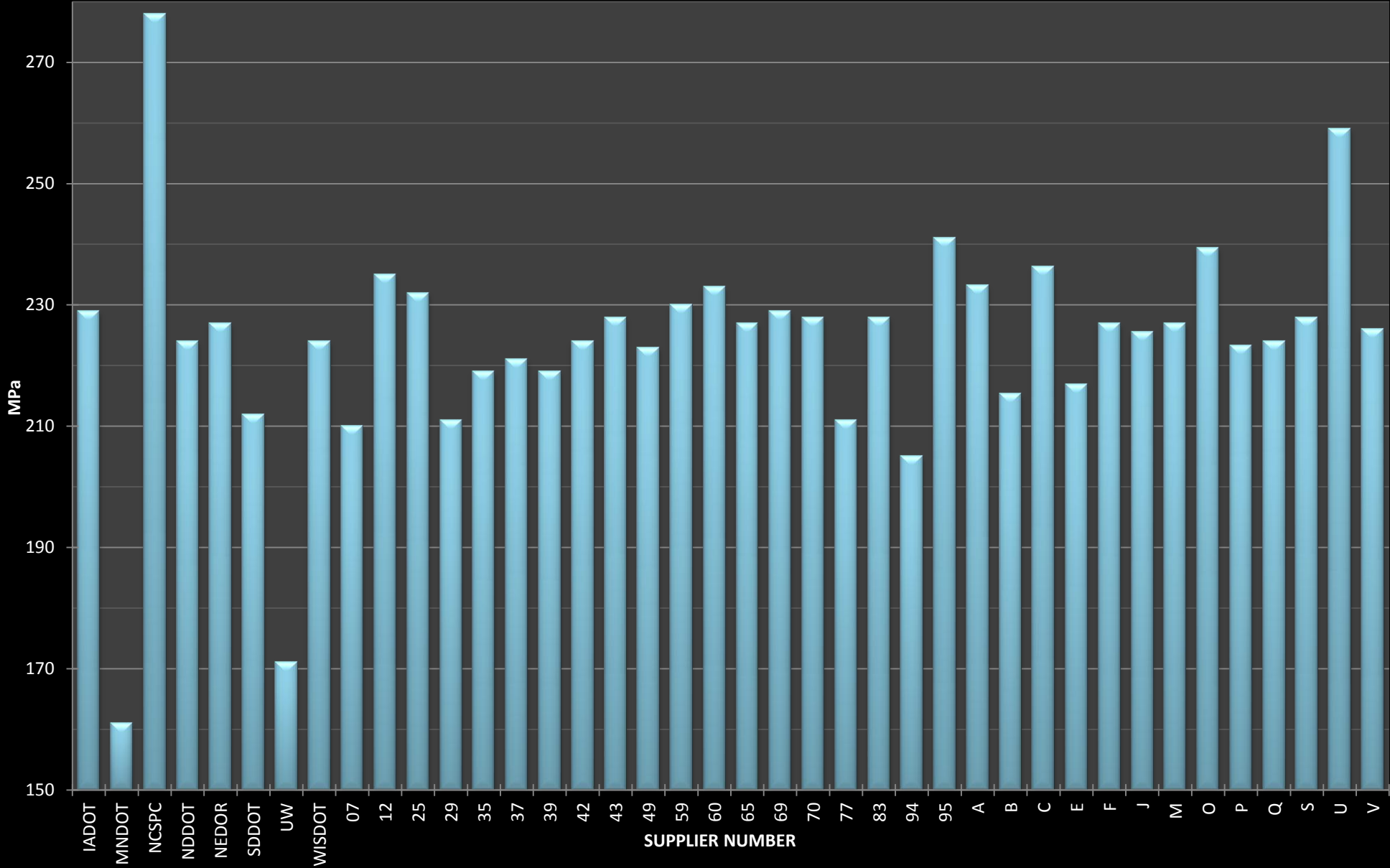


COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

RTFO MASS LOSS



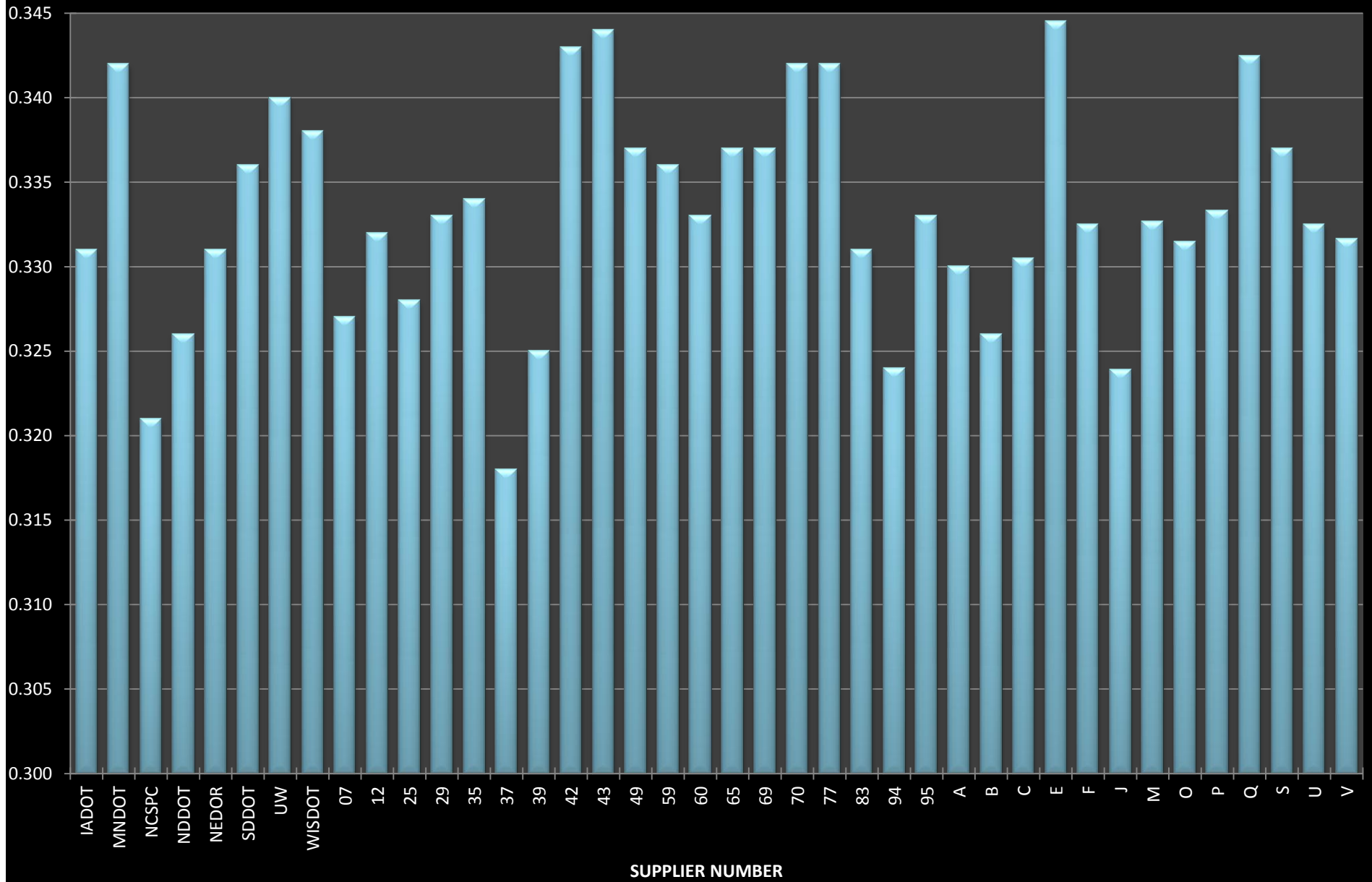
### BBR STIFFNESS





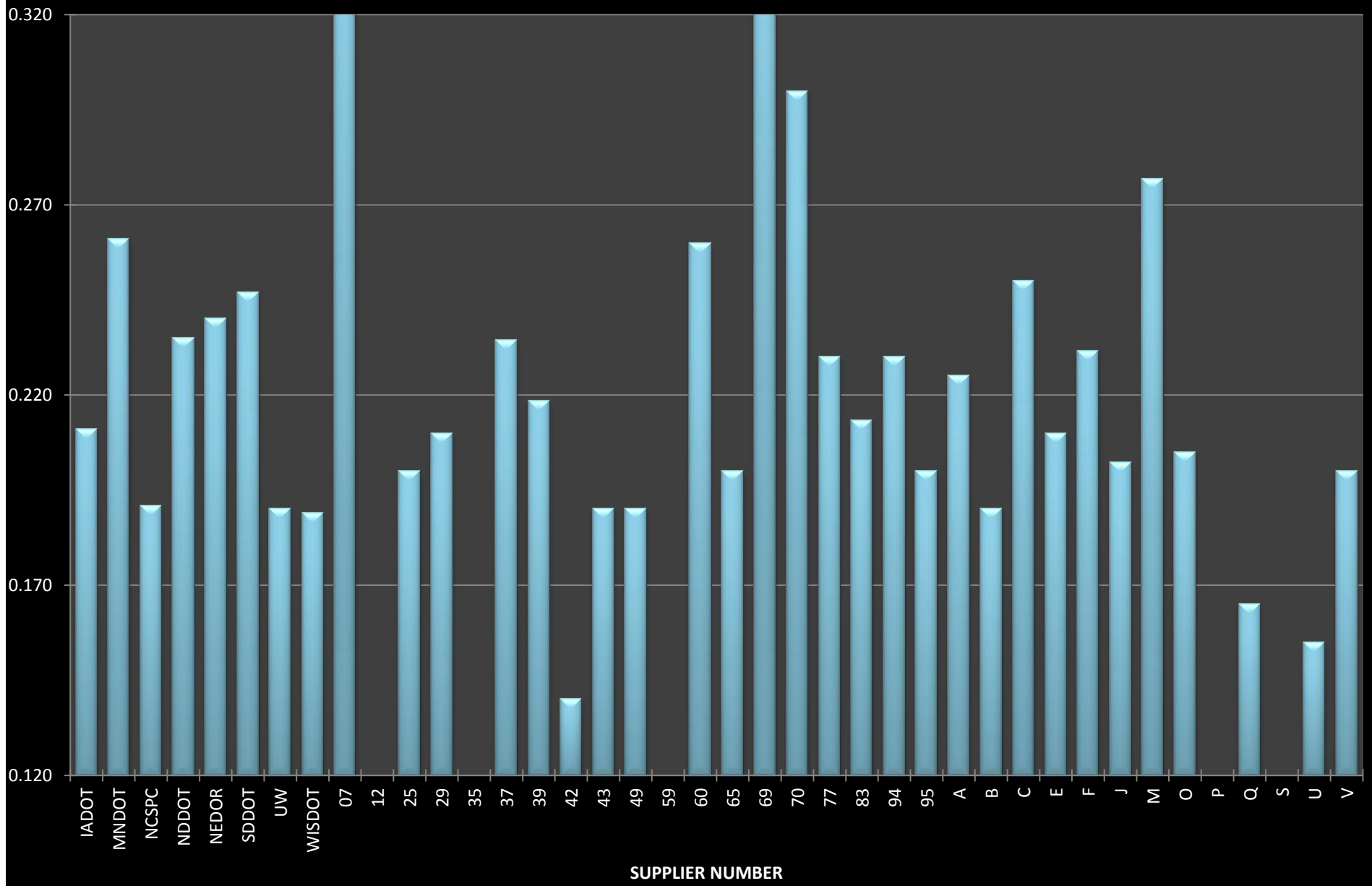
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

BBR m-VALUE



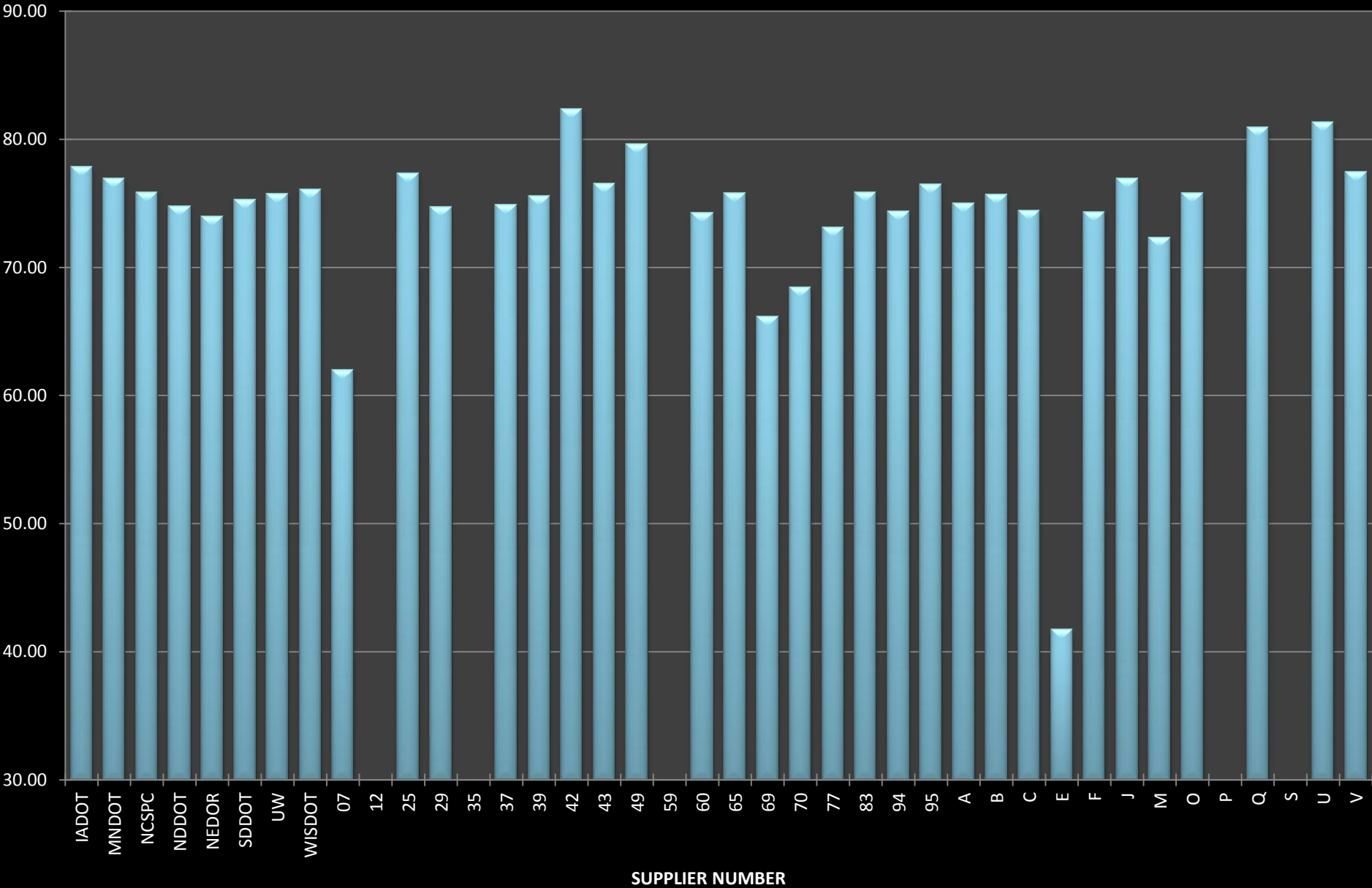
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

Jnr @ 100 Pa



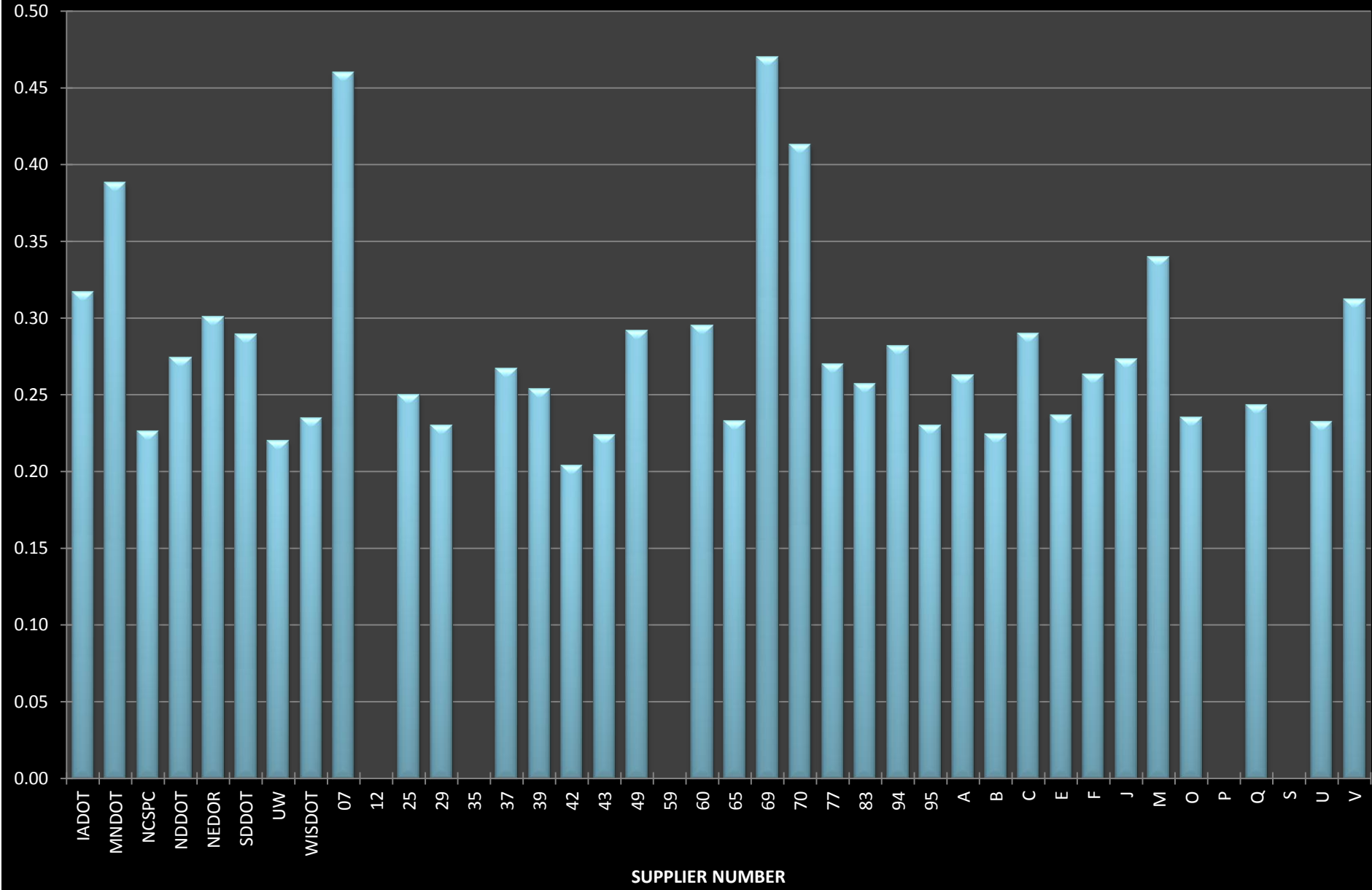
COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

% Recovery @ 100 Pa



COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

Jnr @ 3200 Pa



COMBINED STATE BINDER GROUP ROUND ROBIN 2014-1  
SUMMARY B

% Recovery @ 3200 Pa

