COOL CARBON PERFORMANCE

SAE J661 S/T PLUS

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Material: D394 S/T PLUS
Test Pressure: 1034 kPa

Normal 0.490 G
Hot 0.471 G

082-015
SAE J661

Wear

	Initial	Final	Loss	Loss / %	Specific Wear	
Weight (gram)	9.724	9.507	0.217	2.23	1.14E-01	gr/kWh
Thickness (mm)	6.350	6.172	0.178	2.80	6.01E-02	cm³/kWh
Indicator	N/A	N/A	N/A	N/A		

Baseline

	Initial		Final	
Event	Force (N)	μ	Force (N)	μ
1	269.8	0.404	305.9	0.458
5	271.8	0.407	335.6	0.503
10	278.0	0.417	357.3	0.535
15	282.7	0.423	354.6	0.530
20	284.6	0.426	349.3	0.524

Wear

Event	Force (N)	μ
1	285.2	0.428
10	284.9	0.428
20	286.3	0.429
30	290.7	0.436
40	298.3	0.446
50	301.4	0.451
60	306.7	0.460
70	311.2	0.465
80	312.4	0.469
90	318.2	0.477
100	324.3	0.486

First Fade

Time (sec)	Force (N)	μ	Temp (°C)
0.0	277.9	0.430	83
30.0	282.1	0.422	109
60.0	279.0	0.417	130
90.0	277.6	0.415	150
120.0	274.1	0.411	170
150.0	276.4	0.414	190
180.0	276.2	0.414	210
210.0	275.0	0.412	230
240.0	273.5	0.411	250
270.0	271.0	0.406	271
295.1	267.1	0.366	288

Second Fade

Time (sec)	Force (N)	μ	Temp (°C)
0.0	297.0	0.456	84
30.0	338.6	0.505	116
60.0	330.5	0.494	142
90.0	326.2	0.487	165
120.0	321.5	0.481	187
150.0	319.4	0.479	209
180.0	320.4	0.479	230
210.0	319.9	0.480	252
240.0	320.9	0.481	275
270.0	321.3	0.482	299
300.0	314.1	0.472	319
330.0	313.9	0.472	340

First Recovery

Event	Force (N)	μ	Temp (°C)
1	269.1	0.404	261
2	271.3	0.406	209
3	278.1	0.417	155
4	297.6	0.445	103

Second Recovery

Event	Force (N)	μ	Temp (°C)
1	328.4	0.492	317
2	331.0	0.495	265
3	335.7	0.503	212
4	333.8	0.500	157
5	313.8	0.469	103