

## T-10 Results Comparisons of TMC Oils PC-9A and 820-2

### Cylinder Liner Wear (Microns)

Oil	N	Mean	Std. Dev.	Min.	Max.
820-2	10	29.9	5.52	20.4	38.2
PC-9A	16	32.4	3.33	26.4	38.0
LAB	OIL	N	Mean	Std. Dev.	Min : Max
A	820-2	4	29.5	4.72	27.0 : 36.6
	PC-9A	9	32.0	3.47	27.4 : 38.0
B	820-2	1	32.0	-	32.0
	PC-9A	1	31.7	-	31.7
D	820-2	1	34.5	-	34.5
	PC-9A	1	32.9	-	32.9
F	820-2	1	38.2	-	38.2
	PC-9A	2	31.4	7.00	26.4 : 36.3
G	820-2	3	25.3	5.00	20.4 : 30.4
	PC-9A	3	34.4	1.51	33.0 : 36.0

### Top Ring Weight Loss (mg)

Oil	N	Mean	Std. Dev.	Min.	Max.
820-2	10	111.7	23.4	91	165
PC-9A	16	130.6	25.1	87	169
LAB	OIL	N	Mean	Std. Dev.	Min : Max
A	820-2	4	102.8	6.8	96 : 110
	PC-9A	9	131.7	28.9	87 : 169
B	820-2	1	101	-	101
	PC-9A	1	140	-	140
D	820-2	1	141	-	141
	PC-9A	1	100	-	100
F	820-2	1	165	-	165
	PC-9A	2	133.5	7.8	128 : 139
G	820-2	3	99.7	10.3	91 : 111
	PC-9A	3	132.3	28.7	108 : 164

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### Oil Consumption (g/hr)

Oil	N	Mean	Std. Dev.	Min.	Max.
820-2	10	50.7	7.65	40.0	62.6
PC-9A	16	48.3	10.27	38.3	79.0
LAB	OIL	N	Mean	Std. Dev.	Min : Max
A	820-2	4	48.3	9.9	40.0 : 62.6
	PC-9A	9	43.7	4.4	38.3 : 52.3
B	820-2	1	55.0	-	55.0
	PC-9A	1	42.1	-	42.1
D	820-2	1	56.8	-	56.8
	PC-9A	1	55.3	-	55.3
F	820-2	1	56.2	-	56.2
	PC-9A	2	69.6	13.3	60.2 : 79.0
G	820-2	3	48.5	7.4	40.3 : 54.6
	PC-9A	3	47.7	5.6	42.1 : 53.3

### PB EOT (transformed units)

Oil	N	Mean	Std. Dev.	Min.	Max.
820-2	10	3.1666	0.2567	2.7081	3.4340
PC-9A	16	3.0938	0.2706	2.7726	3.6109
LAB	OIL	N	Mean	Std. Dev.	Min : Max
A	820-2	4	3.2107	0.2264	2.8904 : 3.4012
	PC-9A	9	2.9424	0.1321	2.7726 : 3.1355
B	820-2	1	3.3322	-	3.3322
	PC-9A	1	3.5264	-	3.5264
D	820-2	1	3.4340	-	3.4340
	PC-9A	1	2.9444	-	2.9444
F	820-2	1	3.3673	-	3.3673
	PC-9A	2	3.4144	0.1162	3.3322 : 3.4965
G	820-2	3	2.8965	0.1916	2.7081 : 3.0910
	PC-9A	3	3.2401	0.3607	2.8904 : 3.6109

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### PB 250 – 300 hr (ppm)

<b>Oil</b>	<b>N</b>	<b>Mean</b>	<b>Std. Dev.</b>	<b>Min.</b>	<b>Max.</b>
820-2	10	8.4	3.6	4	15
PC-9A	16	7.6	4.9	0	17
<b>LAB</b>	<b>OIL</b>	<b>N</b>	<b>Mean</b>	<b>Std. Dev.</b>	<b>Min : Max</b>
A	820-2	4	8.0	5.2	4 : 15
	PC-9A	9	5.9	2.4	2 : 10
B	820-2	1	11	-	11
	PC-9A	1	17	-	17
D	820-2	1	11	-	11
	PC-9A	1	3	-	3
F	820-2	1	10	-	10
	PC-9A	2	13	4.2	10 : 16
G	820-2	3	6.7	2.1	5 : 9
	PC-9A	3	7.3	7.0	0 : 14