

N910MF Cruise Performance Trend Report

Printed: 1/28/2009

Date	Altimeter	Altitude	PALT	OAT	RPM	MP	Oil Temp	Oil Press	IAS	TAS	Fuel Flow	Power
9/27/2007		7000		3.3	2400	21			130		13.4	
10/9/2007		7000		-0.6	2400	22	190	64.4	119	131	13.9	
10/20/2007		7000		6	2300	21.5	180	66.4	125	140	14.0	
10/20/2007		6000		10	2350	22	190	64.5	125	139	13.5	
10/24/2007		7000		0	2300	21	170	68.8	128	141	13.4	
10/27/2007		6000		8	2300	22	175	67.1	131	143	14.0	
12/12/2007		7000		-8	2300	21	165	69.8	130	141	13.5	
1/4/2008	29.89	8000	8030	6	2350	21.5	180	66.5	126	144	13.5	
	FCM-SLN								POH:	141	13.3	73%
1/26/2008	30.13	7000	6790	-1	2300	22	165	69.5	127	140	13.8	
	SLN-FCM								POH:	139	13.3	73%
2/15/2008	29.80	4000	4120	-11	2300	22	170	70.6	132	135	13.4	
	FCM-FAR								POH:	132	13.1	72%
2/16/2008	29.75	5000	5170	2	2300	22	170	69.3	128	137	13.4	
	FAR-FCM								POH:	135	12.9	71%
2/22/2008	30.12	7000	6800	6	2350	22.5	170	68.7	130	142	13.8	
	FCM-OSH								POH:	138	13.5	74%
2/18/2008	29.97	6000	5950	-8	2350	22	170	69.4	129	138	13.5	
	OSH-FCM								POH:	137	13.5	74%
2/27/2008	30.14	3500	3280	-11	2350	22	170	70.6	135	135	13.6	
	FCM-SUW								POH:	132	13.2	72%
2/27/2008	30.00	6000	5920	-15	2350	22	170	69.7	134	141	13.7	
	SUW-FCM								POH:	137	13.6	75%
3/10/2008	30.26	7000	6660	-2	2200	21.5	175	68.1	123	136	13.1	
	FCM-DLH								POH:	136	12.8	70%
3/10/2008	30.29	8000	7630	-4	2250	21	170	68.2	122	136	13.3	
	DLH-FCM								POH:	134	12.4	68%
3/20/2008	30.21	7000	6710	-5	2300	21.5	180	67.5	126	137	13.7	
	FCM-DLL: less than expected tailwind increases time :15 (3 gals)								POH:	136	12.9	71%
3/20/2008	30.20	6000	5720	-3	2350	21.5	170	69.5	126	136	13.9	
	DLL-FCM								POH:	135	12.9	71%

	Measurements by Cylinder							
	#1	#2	#3	#4	#5	#6	RANGE	Average
EGT	1340	1395	1350	1370	1365	1400	60	1370
CHT	325	365	360	370	365	370	45	359
EGT	1360	1405	1375	1395	1385	1415	55	1389
CHT	335	375	375	380	380	380	45	371
EGT	1285	1325	1290	1315	1310	1370	85	1316
CHT	320	360	360	365	360	370	50	356
EGT	1360	1400	1365	1390	1380	1445	85	1390
CHT	335	370	375	380	375	375	45	368
EGT	1315	1350	1315	1340	1335	1360	45	1336
CHT	315	350	350	350	345	355	40	344
EGT	1320	1350	1325	1345	1340	1410	90	1348
CHT	320	355	355	360	355	365	45	352
EGT	1330	1370	1330	1355	1350	1380	50	1353
CHT	295	325	325	335	325	325	40	322
EGT	1320	1355	1325	1360	1345	1405	85	1352
CHT	325	360	360	370	360	365	45	357
EGT	1355	1390	1350	1370	1375	1400	50	1373
CHT	315	340	345	350	345	345	35	340
EGT	1405	1440	1390	1420	1415	1450	60	1420
CHT	295	315	325	325	320	320	30	317
EGT	1375	1405	1365	1390	1390	1420	55	1391
CHT	315	345	345	350	345	350	35	342
EGT	1350	1395	1355	1380	1375	1400	50	1376
CHT	310	335	345	350	340	340	40	337
EGT	1360	1405	1355	1385	1380	1405	50	1382
CHT	305	330	335	340	335	335	35	330
EGT	1380	1420	1365	1395	1390	1425	60	1396
CHT	285	315	315	320	310	315	35	310
EGT	1380	1420	1365	1395	1390	1425	60	1396
CHT	285	315	315	320	310	315	35	310
EGT	1345	1375	1335	1360	1365	1380	45	1360
CHT	305	335	340	345	340	340	40	334
EGT	1320	1360	1315	1335	1345	1375	60	1342
CHT	310	335	340	350	340	345	40	337
EGT	1335	1380	1345	1360	1355	1385	50	1360
CHT	310	340	340	350	345	345	40	338
EGT	1355	1400	1365	1390	1380	1415	60	1384
CHT	315	340	345	355	345	350	40	342

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Date	Altimeter	Altitude	PALT	OAT	RPM	MP	Oil Temp	Oil Press	IAS	TAS	Fuel Flow	Power	Measurements by Cylinder								
													#1	#2	#3	#4	#5	#6	RANGE	Average	
5/4/2008	29.85	5500	5570	6	2300	21.5	185	67.3	120	135	12.6		EGT	1355	1400	1340	1385	1400	1395	60	1379
	FCM-BFW-FCM (measured on outbound leg)									POH:	134	12.5	68%	CHT	315	345	345	350	350	345	35
5/16/2008	29.85	3500	3570	14	2300	21.5	190	65.5	110	120	12.5		EGT	1380	1415	1370	1420	1425	1425	55	1406
	FCM-DBQ									POH:	126	11.6	62%	CHT	330	365	365	370	365	365	40
5/16/2008	29.84	8000	8080	2	2300	21.5	180	67.0	124	140	13.1		EGT	1330	1375	1335	1375	1390	1415	85	1370
	DBQ-FCM									POH:	140	13.0	72%	CHT	325	350	355	360	360	355	35
5/26/2008	29.78	5000	5140	9	2350	21.5	180	67.1	126	137	13.5		EGT	1355	1410	1360	1395	1410	1415	60	1391
	DBQ-FCM									POH:	134	12.6	69%	CHT	325	355	355	360	360	360	35
6/1/2008	29.96	6000	5960	12	2350	21.5	190	65.6	123	136	13.4		EGT	1345	1395	1345	1375	1400	1400	55	1377
	DBQ-FCM									POH:	136	12.7	69%	CHT	335	365	365	370	370	370	35
9/26/2008	30.16	9000	8760	9	2350	20.5	195	65.2	116	136	13.3		EGT	1305	1350	1310	1335	1360	1390	85	1342
	FCM-EOK									POH:	138	12.5	68%	CHT	330	370	370	375	375	375	45
9/26/2008	30.19	8000	7730	8	2300	21.5	190	65.6	120	136	13.3		EGT	1360	1395	1360	1390	1410	1415	55	1388
	EOK-FCM									POH:	139	12.8	70%	CHT	340	375	375	380	370	380	40
10/5/2008	30.27	9000	8650	3	2350	21	185	66.6	122	139	13.3		EGT	1355	1320	1360	1315	1345	1355	45	1342
	FCM-LAN									POH:	139	12.9	71%	CHT	325	355	355	360	365	360	40
10/8/2008	30.11	8000	7810	8	2300	21	190	65.4	121	138	13.0		EGT	1320	1355	1305	1340	1370	1385	80	1346
	BGM-LAN									POH:	137	12.5	68%	CHT	330	365	365	370	370	370	40
10/24/2008	29.96	7000	6960	-2	2300	21.5	180	68.5	124	136	13.5		EGT	1335	1370	1325	1355	1380	1395	70	1360
	FCM-RHI									POH:	137	13.4	71%	CHT	315	345	345	355	355	345	40
11/23/2008	30.02	7000	6900	0	2350	21.5	175	69.4	126	138	13.8		EGT	1355	1370	1330	1370	1395	1415	85	1373
	FCM-UIN									POH:	138	13.6	72%	CHT	320	350	350	355	350	345	35
11/23/2008	30.04	8000	7880	2	2300	21	180	68.2	120	135	13.2		EGT	1320	1360	1305	1350	1370	1400	95	1351
	UIN-RST									POH:	137	13.1	69%	CHT	320	350	350	355	355	355	35
12/10/2008	30.20	8000	7720	-8	2370	21.6	170	70.1	129	142	13.3		EGT	1385	1405	1370	1415	1435	1435	65	1408
	FCM-GBD									POH:	139	13.4	74%	CHT	310	335	345	345	340	335	35
12/10/2008	30.27	9000	8650	-4	2400	20.5	185	67.0	123	139	13.5		EGT	1340	1375	1330	1370	1375	1410	80	1367
	GBD-RST									POH:	138	13.3	70%	CHT	320	350	355	355	355	355	35
1/5/2009	29.95	9000	8970	-14	2250	20.5	185	64.7	118	132	12.2		EGT	1350	1385	1330	1375	1385	1380	55	1368
	FCM-3CK									POH:	135	12.5	68%	CHT	365	395	395	405	395	395	40
1/5/2009	30.07	6000	5850	-8	2250	22	190	65.3	127	135	13.3		EGT	1365	1405	1345	1385	1405	1410	65	1386
	3CK-FCM									POH:	135	13.0	70%	CHT	375	405	400	405	395	400	30
1/8/2009	29.92	9000	9000	-12	2250	20.5	190	65.0	122	136	12.4		EGT	1330	1375	1310	1360	1370	1390	80	1356
	FCM-3CK <i>*NOTE* Winterization Panels were installed</i>									POH:	135	12.5	68%	CHT	365	395	395	405	390	390	40
1/8/2009	30.07	6000	5850	-8	2250	22	190	65.3	127	135	13.3		EGT	1365	1405	1350	1390	1405	1400	55	1386
	3CK-FCM <i>*NOTE* Winterization Panels were installed</i>									POH:	135	13.0	70%	CHT	375	400	400	405	395	395	30
1/20/2009	30.20	8000	7720	-4	2250	21.5	190	64.0	123	138	12.8		EGT	1360	1395	1330	1380	1395	1400	70	1377
	FCM-FAR <i>*NOTE* Winterization Panels were installed</i>									POH:	137	12.8	70%	CHT	385	410	415	420	405	405	35

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1/20/2009	29.94	9000	8980	2	2250	20.5	205	60.1	116	133	12.0	
	FAR-RST <i>*NOTE* Winterization Panels were installed</i>								POH:	135	12.2	66%
1/28/2009	29.83	6000	6090	-9	2250	22	175	69.3	128	137	13.2	
	FCM-DNS								POH:	135	13.1	72%
1/28/2009	29.87	7000	7050	-6	2300	22	175	69.1	126	138	13.5	
	DNS-RST								POH:	139	13.4	74%

	Measurements by Cylinder						RANGE	Average
	#1	#2	#3	#4	#5	#6		
EGT	1350	1385	1330	1375	1385	1395	65	1370
CHT	385	420	420	430	415	420	45	415
EGT	1345	1375	1335	1365	1395	1390	60	1368
CHT	300	325	330	335	335	330	35	326
EGT	1360	1390	1350	1385	1415	1430	80	1388
CHT	310	335	340	345	345	335	35	335

	Historical Averages by Cylinder						RANGE	Average
	#1	#2	#3	#4	#5	#6		
EGT	1348	1384	1342	1372	1380	1403	61	1371
CHT	325	355	357	363	357	358	38	353