CMIR	38932	38967	38969	38935	38970	38933
LAB (CODED)	A	A	A	A	A	A
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20001227	20010306	20010401	20010425	20010516	20010127
EOT TIME	23:56	06:19	20:54	16:47	4:20	04:56
TMC OIL CODE	PC-9E	PC-9B	PC-9G	PC-9E	PC-9F	PC-9E
TOTAL OIL CONSUMPTION (kg)	9.13	9.77	12.2	10.43	11.2	11.4
FINAL ORIG UNIT ADJ AVG CROSSHEAD MASS LOSS (mg)	43.9	23.8	13.6	19.7	23.6	12.1
FINAL ORIG UNIT FILTER PLUGGING DELTA P (kPa)	127	308	175	97	186	66
FINAL ORIG UNIT AVG SLUDGE RATING (MERITS)	7.4	8.8	7.3	8.1	7	8
CROSSHEAD MASS LOSS - LOCATION 1I (mg)	23.1	10.9	4.7	17.4	8.5	6
CROSSHEAD MASS LOSS - LOCATION 2I (mg)	47	8.2	4.1	48.6	45.5	16.3
CROSSHEAD MASS LOSS - LOCATION 3I (mg)	28.2	5.2	4.5	4.9	13.9	9.4
CROSSHEAD MASS LOSS - LOCATION 4I (mg)	58.3	32.9	8.9	9.8	24.1	28.5
CROSSHEAD MASS LOSS - LOCATION 5I (mg)	59.1	5	4.6	16.3	11.4	4.8
CROSSHEAD MASS LOSS - LOCATION 6I (mg)	66.4	16.2	22.9	25.5	20.8	31.8
CROSSHEAD MASS LOSS - LOCATION 1E (mg)	27.1	19.3	7.4	19.4	16.3	45.6
CROSSHEAD MASS LOSS - LOCATION 2E (mg)	67.3	53.3	33.3	26.8	38.9	56.5
CROSSHEAD MASS LOSS - LOCATION 3E (mg)	19.9	17.8	3.9	22	16.5	24.8
CROSSHEAD MASS LOSS - LOCATION 4E (mg)	102.9	54.3	19.6	16.8	42.8	70.5
CROSSHEAD MASS LOSS - LOCATION 5E (mg)	36.7	22	13.7	12.3	30.2	10.5
CROSSHEAD MASS LOSS - LOCATION 6E (mg)	76	40.3	36.1	16.4	14.7	40.5
300 H SLUDGE MERIT RATING VALVE COVER (MERITS)	6.77	8.57	7.16	7.97	6.66	7.82
300 H SLUDGE MERIT RATING OIL PAN (MERITS)	7.98	9.02	7.52	8.18	7.39	8.19
VISCOSITY AT 100 DEG C , NEW OIL (cSt)	15.59	15.25	15.19	15.46	16.05	15.57
VISCOSITY AT 100 DEG C , AT 025 HOURS (cSt)	16.25	15.9	15.11	15.94	16.63	16
VISCOSITY AT 100 DEG C , AT 050 HOURS (cSt)	17.56	17.24	15.47	16.85	17.6	16.83
VISCOSITY AT 100 DEG C , AT 075 HOURS (cSt)	16.74	17.37	14.98	16.04	16.92	15.99
VISCOSITY AT 100 DEG C , AT 100 HOURS (cSt)	16.45	17.4	14.97	15.67	16.78	15.66
VISCOSITY AT 100 DEG C , AT 125 HOURS (cSt)	22.45	19.69	17.18	19.11	21.06	19.49
VISCOSITY AT 100 DEG C , AT 150 HOURS (cSt)	54.47	22.84	21.2	28.69	38.36	33.26
VISCOSITY AT 100 DEG C , AT 175 HOURS (cSt)	25.62	21.38	18.53	20.24	18.16	20.67
VISCOSITY AT 100 DEG C , AT 200 HOURS (cSt)	22.42	20.8	18.31	14.59	23.99	18.9
VISCOSITY AT 100 DEG C , AT 225 HOURS (cSt)	64.19	26.99	54.87	44.25	90.68	43.9
VISCOSITY AT 100 DEG C , AT 250 HOURS (cSt)	147.84	41.89	101.78	80.38	215.45	84.31
VISCOSITY AT 100 DEG C , AT 275 HOURS (cSt)	46.61	27.76	54.05	34.44	76.91	30.82
VISCOSITY AT 100 DEG C , AT 300 HOURS (cSt)	30.77	25.03	30.07	27.49	44.45	21.26
TGA PERCENT SOOT NEW OIL (%)	0.3	0.2	0.2	0.2	0.1	0.2
TGA PERCENT SOOT AT 025 HOURS (%)	1.8	1.8	1.8	1.8	1.7	1.7
TGA PERCENT SOOT AT 050 HOURS (%)	3.6	3.1	3.1	3	3	3
TGA PERCENT SOOT AT 075 HOURS (%)	3.8	3.3	3.1	3.1	3.1	3.1
TGA PERCENT SOOT AT 100 HOURS (%)	3.9	3.4	3.2	3.3	3.3	3.3
TGA PERCENT SOOT AT 125 HOURS (%)	5.4	4.6	4.4	4.4	4.5	4.3
TGA PERCENT SOOT AT 150 HOURS (%)	6.7	5.7	5.3	5.3	5.5	5.1
TGA PERCENT SOOT AT 175 HOURS (%)	6.7	5.6	5.3	5.3	5.4	5.2
TGA PERCENT SOOT AT 200 HOURS (%)	6.7	5.7	5.4	5.3	5.4	5.1
TGA PERCENT SOOT AT 225 HOURS (%)	7.8	7.1	6.8	6.7	6.8	6.4
TGA PERCENT SOOT AT 250 HOURS (%)	9.1	8.2	8.2	8.1	8.1	8
TGA PERCENT SOOT AT 275 HOURS (%)	8.9	8.2	7.9	7.9	7.9	8
TGA PERCENT SOOT AT 300 HOURS (%)	8.7	8	7.8	8	7.8	7.7
TOTAL BASE NUMBER NEW OIL	11.55	9.99	8.44	10.92	11.14	11.21
TOTAL BASE NUMBER AT 050 HOURS	7.11	7.26	4.41	6.99	6.56	6.98
TOTAL BASE NUMBER AT 100 HOURS	4.63	5.39	2.77	4.32	4.11	4.46
TOTAL BASE NUMBER AT 125 HOURS	3.99	4.95	2.28	3.67	3.84	3.9
TOTAL BASE NUMBER AT 150 HOURS	3.54	4.43	2.16	3.54	3.33	3.53
TOTAL BASE NUMBER AT 175 HOURS	3.23	3.53	2	3.13	3.24	3.18
TOTAL BASE NUMBER AT 200 HOURS	3.19	2.79	1.68	3.03	2.8	2.52
TOTAL BASE NUMBER AT 225 HOURS	2.73	3.07	1.29	2.64	2.68	2.73
TOTAL BASE NUMBER AT 250 HOURS	2.79	2.81	1.24	2.49	2.63	1.92

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EOT TIME	23:56	06:19	20:54	16:47	4:20	04:56
TMC OIL CODE	PC-9E	PC-9B	PC-9G	PC-9E	PC-9F	PC-9E
TOTAL BASE NUMBER AT 275 HOURS	2.39	2.39	1.02	2.16	2.48	2.14
TOTAL BASE NUMBER AT 300 HOURS	1.94	2.24	1.07	2.02	2.09	1.8
TAN NEW OIL	2.02	2.83	2.11	2.01	2.23	1.95
TAN AT 050 HOURS	2.69	2.35	2.7	2.62	2.53	2.52
TAN AT 100 HOURS	3.12	2.69	2.99	2.72	2.7	2.78
TAN AT 125 HOURS	2.8	2.73	2.74	2.9	3.14	2.62
TAN AT 150 HOURS	3.38	2.67	2.91	3.03	2.72	3.33
TAN AT 175 HOURS	3.28	3.05	2.95	3.18	3.06	2.89
TAN AT 200 HOURS	3.43	2.97	2.63	2.79	3.12	3.57
TAN AT 225 HOURS	3.51	3.17	2.82	3.21	3.18	3.48
TAN AT 250 HOURS	3.47	3.22	3.14	2.98	3.21	3.58
TAN AT 275 HOURS	3.33	3	2.55	3	3.08	3.29
TAN AT 300 HOURS	3.3	3.25	2.68	3.32	3.2	3.37
CU - WEAR METALS COPPER NEW OIL[<] (ppm)	<1	1	<1	<1	<1	<1
CU - WEAR METALS COPPER HOURS [<] (ppm)025	1	2	1	2	1	2
CU - WEAR METALS COPPER HOURS [<] (ppm)050	2	2	2	2	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)075	2	3	2	2	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)100	3	3	3	3	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)125	3	3	3	3	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)150	3	3	3	3	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)175	3	4	3	3	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)200	4	5	4	4	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)225	4	7	4	4	4	3
CU - WEAR METALS COPPER HOURS [<] (ppm)250	5	8	5	5	4	4
CU - WEAR METALS COPPER HOURS [<] (ppm)275	5	8	5	5	4	4
CU - WEAR METALS COPPER HOURS [<] (ppm)300	6	9	6	6	5	5
FE - WEAR METALS IRON NEW OIL [<] (ppm)	1	2	2	2	1	1
FE - WEAR METALS IRON HOURS [<] (ppm)025	29	20	24	25	22	22
FE - WEAR METALS IRON HOURS [<] (ppm)050	61	40	45	51	43	42
FE - WEAR METALS IRON HOURS [<] (ppm)075	92	62	68	77	68	62
FE - WEAR METALS IRON HOURS [<] (ppm)100	117	79	85	97	85	78
FE - WEAR METALS IRON HOURS [<] (ppm)125	139	90	97	110	99	86
FE - WEAR METALS IRON HOURS [<] (ppm)150	155	99	111	124	110	93
FE - WEAR METALS IRON HOURS [<] (ppm)175	196	118	140	143	130	109
FE - WEAR METALS IRON HOURS [<] (ppm)200	230	129	159	153	139	123
FE - WEAR METALS IRON HOURS [<] (ppm)225	260	140	170	162	145	136
FE - WEAR METALS IRON HOURS [<] (ppm)250	281	152	184	169	151	153
FE - WEAR METALS IRON HOURS [<] (ppm)275	315	177	213	201	171	185
FE - WEAR METALS IRON HOURS [<] (ppm)300	341	202	243	233	197	221
PB - WEAR METALS LEAD NEW OIL [<] (ppm)	<1	1	<1	<1	<1	<1
PB - WEAR METALS LEAD HOURS [<] (ppm)025	<1	1	1	1	<1	<1
PB - WEAR METALS LEAD HOURS [<] (ppm)050	<1	1	1	1	1	1
PB - WEAR METALS LEAD HOURS [<] (ppm)075	2	1	2	1	1	1
PB - WEAR METALS LEAD HOURS [<] (ppm)100	1	2	2	1	1	2
PB - WEAR METALS LEAD HOURS [<] (ppm)125	2	2	3	2	1	2
PB - WEAR METALS LEAD HOURS [<] (ppm)150	2	2	4	2	2	1
PB - WEAR METALS LEAD HOURS [<] (ppm)175	2	3	6	2	3	2
PB - WEAR METALS LEAD HOURS [<] (ppm)200	3	3	6	2	3	2
PB - WEAR METALS LEAD HOURS [<] (ppm)225	3	2	7	3	3	2
PB - WEAR METALS LEAD HOURS [<] (ppm)250	3	2	7	3	3	3
PB - WEAR METALS LEAD HOURS [<] (ppm)275	4	3	7	3	3	3
PB - WEAR METALS LEAD HOURS [<] (ppm)300	3	4	8	3	3	3
AL- WEAR METALS ALUMINUM	<1	1	2	1	<1	1

CMIR	38932	38967	38969	38935	38970	38933
LAB (CODED)	A	A	A	A	A	A
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20001227	20010306	20010401	20010425	20010516	20010127
EOT TIME	23:56	06:19	20:54	16:47	4:20	04:56
TMC OIL CODE	PC-9E	PC-9B	PC-9G	PC-9E	PC-9F	PC-9E
AL- WEAR METALS ALUMINUM at hour 25	1	1	2	1	1	1
AL- WEAR METALS ALUMINUM at hour 50	1	1	2	2	1	1
AL- WEAR METALS ALUMINUM at hour 75	1	2	2	1	1	2
AL- WEAR METALS ALUMINUM at hour 100	1	2	2	2	1	2
AL- WEAR METALS ALUMINUM at hour 125	2	2	2	2	2	2
AL- WEAR METALS ALUMINUM at hour 150	2	2	2	2	2	2
AL- WEAR METALS ALUMINUM at hour 175	2	2	2	2	2	2
AL- WEAR METALS ALUMINUM at hour 200	2	2	2	2	3	3
AL- WEAR METALS ALUMINUM at hour 225	2	2	2	2	3	3
AL- WEAR METALS ALUMINUM at hour 250	2	2	2	2	3	3
AL- WEAR METALS ALUMINUM at hour 275	2	3	2	2	2	2
AL- WEAR METALS ALUMINUM at hour 300	2	3	2	2	2	3
CR- WEAR METALS CHROMIUM NEW OIL	<1	<1	<1	<1	<1	<1
CR- WEAR METALS CHROMIUM at hour 25	4	4	3	3	3	3
CR- WEAR METALS CHROMIUM at hour 50	9	7	6	6	6	6
CR- WEAR METALS CHROMIUM at hour 75	13	12	10	10	10	10
CR- WEAR METALS CHROMIUM at hour 100	16	15	13	13	13	13
CR- WEAR METALS CHROMIUM at hour 125	18	16	15	15	15	14
CR- WEAR METALS CHROMIUM at hour 150	20	16	15	17	16	15
CR- WEAR METALS CHROMIUM at hour 175	22	18	18	19	19	17
CR- WEAR METALS CHROMIUM at hour 200	23	19	19	20	20	18
CR- WEAR METALS CHROMIUM at hour 225	24	19	19	22	20	18
CR- WEAR METALS CHROMIUM at hour 250	24	19	19	22	20	18
CR- WEAR METALS CHROMIUM at hour 275	25	20	20	23	21	19
CR- WEAR METALS CHROMIUM at hour 300	25	21	21	24	22	19
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 1	83.6	40.6	74.5	74.4	22.7	27
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 2	102.7	47.3	49.4	64.5	24.8	58.8
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 3	134.9	36.5	72.4	92	21	65.9
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 4	98.6	50.6	64.5	125.7	22.9	4.9
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 5	95.3	46.5	64.1	75.4	76.5	91.7
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 6	135.3	40.8	84.5	78.2	88.1	59.2
AVG INJECTOR ADJUSTING SCREW WEIGHT LOSS, mg	108.4	43.7	68.2	85	42.7	51.2
TOP RING WEIGHT LOSS, CYL 1 (mg)	124.4	120.3	75	124.5	122.9	108.9
TOP RING WEIGHT LOSS, CYL 2 (mg)	177.9	122.6	146.4	75.6	126.1	113.9
TOP RING WEIGHT LOSS, CYL 3 (mg)	162.4	94.5	92.7	215.3	148.7	133.7
TOP RING WEIGHT LOSS, CYL 4 (mg)	172.3	143.1	135.9	88.1	154.1	86.7
TOP RING WEIGHT LOSS, CYL 5 (mg)	191.6	163.9	124.3	138	109.2	86.2
TOP RING WEIGHT LOSS, CYL 6 (mg)	203.6	105.9	172.8	131.9	144	163.7
AVG. TOP RING WEIGHT LOSS (mg)	172	125	124.5	128.9	134.2	115.5
BEARING WEIGHT LOSS, UPPER, CYL 1	20.5	43.1	22.8	24.4	21.2	11.5
BEARING WEIGHT LOSS, LOWER, CYL 1	11.2	20.7	13.6	22	11.8	3
BEARING WEIGHT LOSS, UPPER, CYL 2	21	30.2	22.1	28.1	24.1	12.1
BEARING WEIGHT LOSS, LOWER, CYL 2	20	16.2	15.6	20.2	17.5	3.6
BEARING WEIGHT LOSS, UPPER, CYL 3	18.2	32.1	27	21.6	21.4	11.3
BEARING WEIGHT LOSS, LOWER, CYL 3	11	12.2	11.7	21.1	8.2	7
BEARING WEIGHT LOSS, UPPER, CYL 4	19.3	37.2	25	22	27.7	12.7
BEARING WEIGHT LOSS, LOWER, CYL 4	11.5	13.8	12.9	18.7	8.3	1.3
BEARING WEIGHT LOSS, UPPER, CYL 5	19.2	94.3	27	33.6	23	4.9
BEARING WEIGHT LOSS, LOWER, CYL 5	12.3	12.9	12.1	10.1	12.9	5.2
BEARING WEIGHT LOSS, UPPER, CYL 6	19.8	34	24.2	37.3	24.5	17.3
BEARING WEIGHT LOSS, LOWER, CYL 6	10.7	15	9.6	8.5	10.5	1.7
AVG. BEARING WEIGHT LOSS (mg)	16.2	30.1	18.6	22.3	17.6	7.6
PISTON 1 UNWEIGHTED TOTAL DEMERITS	114.1	152.76	139.3	128.04	144.9	147.2

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LAB (CODED)	A	A	A	A	A	A
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20001227	20010306	20010401	20010425	20010516	20010127
EOT TIME	23:56	06:19	20:54	16:47	4:20	04:56
TMC OIL CODE	PC-9E	PC-9B	PC-9G	PC-9E	PC-9F	PC-9E
PISTON 2 UNWEIGHTED TOTAL DEMERITS	100.08	162.98	131.87	113.16	137.21	132.2
PISTON 3 UNWEIGHTED TOTAL DEMERITS	103.11	117.2	155.84	106.06	143.53	118.59
PISTON 4 UNWEIGHTED TOTAL DEMERITS	102.05	164.14	133.3	163.88	120.13	142.31
PISTON 5 UNWEIGHTED TOTAL DEMERITS	97.09	130.25	161.375	136.97	158.59	136.62
PISTON 6 UNWEIGHTED TOTAL DEMERITS	106.51	140.79	123.04	129.61	167.83	120.47
AVG. UNDER CROWN UNWEIGHTED DEMERITS	6.175	5.765	6.429	6.15	5.475	6.225
AVG. OIL COOLING GALLERY UNWEIGHTED DEMERITS	3.925	3.875	4.975	7.19	7.34	5.55
AVG. TOTAL UNWEIGHTED DEMERITS	103.823	144.687	140.788	129.62	145.365	132.898
TGC PISTON # 1 (DEMERITS)	40	59.25	46.5	43.75	63.75	65.25
TGC PISTON # 2 (DEMERITS)	26.5	65.5	51	35	51.5	53.75
TGC PISTON # 3 (DEMERITS)	27.5	38.75	47	20.5	60	37.25
TGC PISTON # 4 (DEMERITS)	28.5	59.75	37.25	61.75	38.5	48.5
TGC PISTON # 5 (DEMERITS)	26	45.5	70.5	52.5	70	56.25
TGC PISTON # 6 (DEMERITS)	27.75	46.5	27	46.25	57.5	40
AVG. TGC (DEMERITS)	29.38	52.54	46.54	43.29	56.88	50.17
TLC PISTON #1 (DEMERITS)	20.5	18.75	20.75	20	24	24
TLC PISTON #2 (DEMERITS)	21.25	21	12.25	18	20	21.5
TLC PISTON #3 (DEMERITS)	19.25	16.25	20	21.75	24	20.5
TLC PISTON #4 (DEMERITS)	20	17.5	5.5	21.25	20.75	21.25
TLC PISTON #5 (DEMERITS)	14.25	18.5	21.5	22.25	24	19.75
TLC PISTON #6 (DEMERITS)	15	23.25	16	21.5	27	15
AVG. TLC (DEMERITS)	18.38	19.21	16	20.79	23.29	20.33
AVERAGE WEAR STEP CYL 1	5.6	3.4	4.4	4.2	4.2	5.8
AVERAGE WEAR STEP CYL 2	3.9	4.6	5.1	3.7	3.6	3.9
AVERAGE WEAR STEP CYL 3	2.3	3.4	4.6	3.4	4.9	6
AVERAGE WEAR STEP CYL 4	4.7	3.4	4.3	3.4	3.7	4.6
AVERAGE WEAR STEP CYL 5	4.4	4.1	5.3	5.2	4	7.2
AVERAGE WEAR STEP CYL 6	4.5	4.4	4.3	4.4	5.7	4.4
CYLINDER LINER WEAR AVERAGE AS MEASURED	4.2	3.9	4.7	4.1	4.3	5.3
NUMBER OF DOWNTIME OCCURRENCES	6	2	6	8	7	8
VALIDITY	PO	PO	PO	PO	PO	PO
COMMENT 1	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX
COMMENT 2	TEST	TEST	TEST	TEST	TEST	TEST
COMMENT 3						
COMMENT 4						
AVG. ENGINE SPEED AVERAGE OF STAGES A (r/min)	1800	1800	1800	1800	1800	1800
AVG. ENGINE SPEED AVERAGE OF STAGES B (r/min)	1600	1600	1600	1600	1600	1600
AVG. FUEL FLOW OF STAGES A (kg/h)	58.1	58	58	58	58	58.1
AVG. FUEL FLOW OF STAGES B (kg/h)	64.4	64.4	64.3	64.4	64.4	64.4
AVG. ENGINE COOLANT OUT TEMP (DEG C)	66	66	66	66	66	66
AVG. FUEL IN TEMP (DEG C)	40	40	40	40	40	40
AVG. OIL GALLERY TEMP (DEG C)	115.6	115	115	115	115	115.5
AVG. INTAKE MANIFOLD TEMP STAGE A (DEG C)	80.1	80	80.1	80	80	80
AVG. INTAKE MANIFOLD TEMP STAGE B (DEG C)	65.6	65.6	65.7	65.6	65.6	65.6
AVG. EXHAUST PRESSURE (kPa)	107.3	107	107.1	107	107	107
AVG. TORQUE AVERAGE OF STAGES A (N-m)	1319.6	1337.4	1335.2	1257.2	1314.4	1388.7
AVG. TORQUE AVERAGE OF STAGES B (N-m)	1923.4	1927.1	1935.2	1938.8	1912.1	1975.4
AVG. POWER AVERAGE OF STAGES A (kW)	248.6	252.1	251.7	236.9	247.8	261.8
AVG POWER AVERAGE OF STAGES B (kW)	322.3	322.9	324.2	324.8	320.4	331
EGR RATE STAGES A (%)	14.9	13	13.3	12.8	13.1	12.4
EGR RATE STAGES B (%)	9.7	9.2	9.4	9	9.2	8.8
AVG. BLOWBY (L/min)	100.5	91.2	94.3	90.7	106.6	96.5
AVG. ENGINE COOLANT IN TEMP (DEG C)	59.4	59.5	59.5	59.5	59.5	59.3

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EOT TIME	23:56	06:19	20:54	16:47	4:20	04:56
TMC OIL CODE	PC-9E	PC-9B	PC-9G	PC-9E	PC-9F	PC-9E
AVG. INTAKE AIR TEMP (DEG C)	30.1	29.3	29.3	30.4	29.4	29.4
AVG. PRE-TURBINE FRONT TEMP (DEG C)	581.8	588	591.4	587.7	587.5	604.6
AVG. PRE-TURBINE REAR TEMP (DEG C)	518.9	596.8	599.5	598.7	598.5	613.9
AVG. TAILPIPE TEMP (DEG C)	419.5	423.8	426.2	431.2	423.2	441.4
AVG. FUEL PRESSURE (kPa)	1080.7	1082.6	1083.2	1082	1081.4	1094.1
AVG. OIL GALLERY PRESSURE (kPa)	255.3	243.4	242.6	248.3	242.2	254.7
AVG. COOLANT PRESSURE (kPa)	99.2	98.3	98.2	99.3	100	95.8
AVG INTAKE MANIFOLD PRESSURE (kPa)	350.5	348.6	348.2	350.8	350.5	336.6
AVG. CRANKCASE PRESSURE (kPa)	1.7	1.5	1.5	3	1.8	2.9
AVG. INTAKE AIR PRESSURE (kPa)	96.22	95.63	95.65	95.6	95.55	95.93
SOT ORIFICE SIZE	1.188	1.000	1.000	1.000	1.000	1.188
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
2ND ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
3RD ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
4TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
5TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
6TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
AVG. INTAKE CO2, STAGE A	1.160	0.990	1.01	0.97	0.99	1.010
AVG. EXHAUST CO2, STAGE A	7.840	7.880	7.82	7.81	7.76	8.090
AVG. INTAKE CO2, STAGE B	0.860	0.790	0.81	0.78	0.79	0.780
AVG. EXHAUST CO2, STAGE B	8.900	8.920	8.89	8.96	8.89	9.100
SOT TIMING	16.1	16.1	16.1	16.1	16.1	16.1
TIMING CHANGE AT XXX HOURS	150:00	25:00	25:00	25:00	25:00	25:00
2ND TIMING SETTING	17.5	17.5	17.5	17.5	17.5	17.5
TIMING CHANGE AT XXX HOURS	NA	NA	200:00	200:00	200:00	200:00
3RD TIMING SETTING	NA	NA	16.1	16.1	16.1	16.1
TIMING CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
4TH TIMING SETTING	NA	NA	NA	NA	NA	NA
TOP RING GAP INCREASE, CYL 1 (INCHES)	0.001	0.001	0.001	0.000	0.001	0.001
TOP RING GAP INCREASE, CYL 2 (INCHES)	0.001	0.001	0.001	0.000	0.001	0.001
TOP RING GAP INCREASE, CYL 3 (INCHES)	0.001	0.001	0.001	0.001	0.001	0.001
TOP RING GAP INCREASE, CYL 4 (INCHES)	0.001	0.001	0.001	0.000	0.001	0.001
TOP RING GAP INCREASE, CYL 5 (INCHES)	0.001	0.001	0.001	0.000	0.001	0.002
TOP RING GAP INCREASE, CYL 6 (INCHES)	0.001	0.001	0.001	0.000	0.001	0.001
AVERAGE TOP RING GAP INCREASE	0.001	0.001	0.001	0.00017	0.001	0.00117

CMIR	38966	38934	38968	38936	38971	40920
LAB (CODED)	A	A	A	B	B	B
STAND (CODED)	2	2	2	1	1	1
EOT DATE	20010310	20010406	20010504	20010202	20010514	20010605
EOT TIME	04:54	16:20	13:09	21:15	23:45	04:26
TMC OIL CODE	PC-9J	PC-9E	PC-9A	PC-9E	PC-9D	PC-9J
TOTAL OIL CONSUMPTION (kg)	10.4	11.2	11.8	4.9	7.2	9.77
FINAL ORIG UNIT ADJ AVG CROSSHEAD MASS LOSS (mg)	27.7	19.4	28.7	39.7	39.9	23.2
FINAL ORIG UNIT FILTER PLUGGING DELTA P (kPa)	265	143	288	246	191	179
FINAL ORIG UNIT AVG SLUDGE RATING (MERITS)	7.7	7.6	8.9	8.7	6.9	7.8
CROSSHEAD MASS LOSS - LOCATION 1I (mg)	31.1	10.3	7.2	7.7	41.1	4.3
CROSSHEAD MASS LOSS - LOCATION 2I (mg)	24.9	36.3	18.6	55.6	48.9	57.2
CROSSHEAD MASS LOSS - LOCATION 3I (mg)	5.6	9.8	4.4	8.5	24	7.8
CROSSHEAD MASS LOSS - LOCATION 4I (mg)	54.3	18.9	21.7	38.6	11.4	15.5
CROSSHEAD MASS LOSS - LOCATION 5I (mg)	12.9	10.3	8.9	23.1	74.1	16.9
CROSSHEAD MASS LOSS - LOCATION 6I (mg)	29	11.1	51	30.4	33	37.2
CROSSHEAD MASS LOSS - LOCATION 1E (mg)	5.9	16.3	19	59.4	41.4	23
CROSSHEAD MASS LOSS - LOCATION 2E (mg)	31.7	40.3	32.8	140.8	28.8	35.2
CROSSHEAD MASS LOSS - LOCATION 3E (mg)	16.9	13	53.1	58	48.4	14.5
CROSSHEAD MASS LOSS - LOCATION 4E (mg)	55.8	22.1	68.2	28.9	38	35.7
CROSSHEAD MASS LOSS - LOCATION 5E (mg)	37.3	7.3	36.9	34.3	35.2	20.9
CROSSHEAD MASS LOSS - LOCATION 6E (mg)	26.8	37.7	23.1	22	54.5	10.5
300 H SLUDGE MERIT RATING VALVE COVER (MERITS)	7.68	7.33	8.87	8.6	6.17	7.5
300 H SLUDGE MERIT RATING OIL PAN (MERITS)	7.7	7.82	8.94	8.83	7.57	8.01
VISCOSITY AT 100 DEG C , NEW OIL (cSt)	15.26	15.49	15.43	15.89	15.88	15.12
VISCOSITY AT 100 DEG C , AT 025 HOURS (cSt)	15.12	16.19	15.54	16.17	16.69	15.14
VISCOSITY AT 100 DEG C , AT 050 HOURS (cSt)	16.13	17.08	17.33	17.34	17.74	15.76
VISCOSITY AT 100 DEG C , AT 075 HOURS (cSt)	15.61	16.24	17.18	17.42	16.56	15.48
VISCOSITY AT 100 DEG C , AT 100 HOURS (cSt)	15.63	15.89	17.29	15.64	16.62	15.96
VISCOSITY AT 100 DEG C , AT 125 HOURS (cSt)	24.31	18.84	19.76	21.41	21.28	19.26
VISCOSITY AT 100 DEG C , AT 150 HOURS (cSt)	88.32	30.16	23.42	22.42	38.77	52.36
VISCOSITY AT 100 DEG C , AT 175 HOURS (cSt)	45.95	20.55	21.56	21.64	24.98	26.36
VISCOSITY AT 100 DEG C , AT 200 HOURS (cSt)	33.11	19.5	21.2	19.38	23.66	23.14
VISCOSITY AT 100 DEG C , AT 225 HOURS (cSt)	129.63	39.88	24.71	29.26	71.6	102.84
VISCOSITY AT 100 DEG C , AT 250 HOURS (cSt)	236.87	83.13	29.62	59.8	.	9999
VISCOSITY AT 100 DEG C , AT 275 HOURS (cSt)	100.26	30.19	25.81	25.18	44.84	47.15
VISCOSITY AT 100 DEG C , AT 300 HOURS (cSt)	55.56	24.54	24.59	21.88	30.23	28.12
TGA PERCENT SOOT NEW OIL (%)	0.2	0.2	0.2	0.5	0	0
TGA PERCENT SOOT AT 025 HOURS (%)	1.8	2.1	1.6	1.8	2.5	1.6
TGA PERCENT SOOT AT 050 HOURS (%)	3.2	3.2	3.2	3.6	4.3	2.8
TGA PERCENT SOOT AT 075 HOURS (%)	3.3	3.3	3.4	3.7	4.5	2.9
TGA PERCENT SOOT AT 100 HOURS (%)	3.4	3.4	3.4	3.9	4.6	2.9
TGA PERCENT SOOT AT 125 HOURS (%)	4.8	4.5	5	5.6	5.8	4.1
TGA PERCENT SOOT AT 150 HOURS (%)	6.1	5.5	6.4	6.6	6.8	5.5
TGA PERCENT SOOT AT 175 HOURS (%)	6.2	5.5	6.6	6.6	6.8	5.4
TGA PERCENT SOOT AT 200 HOURS (%)	6.1	5.5	6.4	6.6	6.9	5.3
TGA PERCENT SOOT AT 225 HOURS (%)	7.2	6.9	7.3	7.4	7.8	6.8
TGA PERCENT SOOT AT 250 HOURS (%)	8.2	8.2	8	8.5	8.6	7.8
TGA PERCENT SOOT AT 275 HOURS (%)	8.1	7.9	8	8.4	8.5	7.7
TGA PERCENT SOOT AT 300 HOURS (%)	8	7.8	7.9	8.3	8.5	7.6
TOTAL BASE NUMBER NEW OIL	8.37	10.91	9.83	9.6	9.4	8.5
TOTAL BASE NUMBER AT 050 HOURS	5.13	7.81	7.01	4.5	5.5	7
TOTAL BASE NUMBER AT 100 HOURS	2.92	4.36	4.43	2.4	3.2	3.9
TOTAL BASE NUMBER AT 125 HOURS	2.66	4.4	3.94	2	3.5	4
TOTAL BASE NUMBER AT 150 HOURS	2.18	3.24	3.62	2.3	2.2	3.6
TOTAL BASE NUMBER AT 175 HOURS	1.75	3.1	3.27	1.6	2.1	3.3
TOTAL BASE NUMBER AT 200 HOURS	1.53	2.79	3.16	1.7	3.8	3.2
TOTAL BASE NUMBER AT 225 HOURS	1.2	2.75	2.6	0	2.5	2.6
TOTAL BASE NUMBER AT 250 HOURS	1.03	2.54	2.34	0.9	5.9	2.6

CMIR	38966	38934	38968	38936	38971	40920
LAB (CODED)	A	A	A	B	B	B
STAND (CODED)	2	2	2	1	1	1
EOT DATE	20010310	20010406	20010504	20010202	20010514	20010605
EOT TIME	04:54	16:20	13:09	21:15	23:45	04:26
TMC OIL CODE	PC-9J	PC-9E	PC-9A	PC-9E	PC-9D	PC-9J
TOTAL BASE NUMBER AT 275 HOURS	0.78	2.55	2.23	1.2	1.7	2.6
TOTAL BASE NUMBER AT 300 HOURS	0.7	1.76	1.99	1	2.1	2.2
TAN NEW OIL	2.43	2.21	2.72	2.5	2.9	2.8
TAN AT 050 HOURS	2.59	2.5	2.23	3.7	3.8	3.7
TAN AT 100 HOURS	2.69	2.86	2.52	3.8	3.7	3.9
TAN AT 125 HOURS	3.06	2.65	2.68	4.1	4.3	3.9
TAN AT 150 HOURS	2.77	2.57	3.15	3.8	4.6	4.11
TAN AT 175 HOURS	2.55	2.64	3.18	4.7	4.6	4.6
TAN AT 200 HOURS	2.93	3.24	2.87	5.1	4.5	4.47
TAN AT 225 HOURS	3.14	3.23	3.44	4.5	5.4	4.5
TAN AT 250 HOURS	2.76	3.26	3.06	4	4.6	5.2
TAN AT 275 HOURS	3.04	3.33	3.15	4.2	5.5	5.2
TAN AT 300 HOURS	2.78	3.56	2.73	5.1	5.6	4.7
CU - WEAR METALS COPPER NEW OIL[<] (ppm)	<1	<1	1	0	1	1
CU - WEAR METALS COPPER HOURS [<] (ppm)025	2	1	2	0	2	1
CU - WEAR METALS COPPER HOURS [<] (ppm)050	2	2	2	0	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)075	3	2	2	0	3	1
CU - WEAR METALS COPPER HOURS [<] (ppm)100	3	3	3	0	4	2
CU - WEAR METALS COPPER HOURS [<] (ppm)125	3	3	3	0	4	1
CU - WEAR METALS COPPER HOURS [<] (ppm)150	3	3	3	0	4	3
CU - WEAR METALS COPPER HOURS [<] (ppm)175	4	3	5	0	5	4
CU - WEAR METALS COPPER HOURS [<] (ppm)200	4	3	8	0	6	4
CU - WEAR METALS COPPER HOURS [<] (ppm)225	4	4	11	0	7	5
CU - WEAR METALS COPPER HOURS [<] (ppm)250	4	4	13	0	7	8
CU - WEAR METALS COPPER HOURS [<] (ppm)275	5	5	15	0	8	7
CU - WEAR METALS COPPER HOURS [<] (ppm)300	5	5	15	0	8	10
FE - WEAR METALS IRON NEW OIL [<] (ppm)	2	2	2	0	4	2
FE - WEAR METALS IRON HOURS [<] (ppm)025	24	27	18	24	34	25
FE - WEAR METALS IRON HOURS [<] (ppm)050	45	49	41	47	58	47
FE - WEAR METALS IRON HOURS [<] (ppm)075	70	72	67	76	91	71
FE - WEAR METALS IRON HOURS [<] (ppm)100	85	90	89	105	117	86
FE - WEAR METALS IRON HOURS [<] (ppm)125	98	105	103	119	132	103
FE - WEAR METALS IRON HOURS [<] (ppm)150	110	116	114	134	142	131
FE - WEAR METALS IRON HOURS [<] (ppm)175	145	139	134	168	164	161
FE - WEAR METALS IRON HOURS [<] (ppm)200	163	156	148	200	182	175
FE - WEAR METALS IRON HOURS [<] (ppm)225	189	179	159	220	200	198
FE - WEAR METALS IRON HOURS [<] (ppm)250	203	196	168	257	216	238
FE - WEAR METALS IRON HOURS [<] (ppm)275	233	231	189	297	232	281
FE - WEAR METALS IRON HOURS [<] (ppm)300	247	259	204	338	294	334
PB - WEAR METALS LEAD NEW OIL [<] (ppm)	<1	<1	1	0	0	1
PB - WEAR METALS LEAD HOURS [<] (ppm)025	1	1	1	0	1	1
PB - WEAR METALS LEAD HOURS [<] (ppm)050	<1	1	1	0	2	3
PB - WEAR METALS LEAD HOURS [<] (ppm)075	1	1	2	0	3	1
PB - WEAR METALS LEAD HOURS [<] (ppm)100	2	2	2	0	3	2
PB - WEAR METALS LEAD HOURS [<] (ppm)125	1	2	2	0	5	1
PB - WEAR METALS LEAD HOURS [<] (ppm)150	2	3	3	0	4	3
PB - WEAR METALS LEAD HOURS [<] (ppm)175	3	4	3	0	4	4
PB - WEAR METALS LEAD HOURS [<] (ppm)200	2	3	4	0	5	4
PB - WEAR METALS LEAD HOURS [<] (ppm)225	3	4	4	0	4	5
PB - WEAR METALS LEAD HOURS [<] (ppm)250	3	4	4	0	4	8
PB - WEAR METALS LEAD HOURS [<] (ppm)275	4	4	5	0	4	7
PB - WEAR METALS LEAD HOURS [<] (ppm)300	4	6	5	0	7	10
AL- WEAR METALS ALUMINUM	2	1	1	0	2	1

CMIR	38966	38934	38968	38936	38971	40920
LAB (CODED)	A	A	A	B	B	B
STAND (CODED)	2	2	2	1	1	1
EOT DATE	20010310	20010406	20010504	20010202	20010514	20010605
EOT TIME	04:54	16:20	13:09	21:15	23:45	04:26
TMC OIL CODE	PC-9J	PC-9E	PC-9A	PC-9E	PC-9D	PC-9J
AL- WEAR METALS ALUMINUM at hour 25	2	1	1	0	2	1
AL- WEAR METALS ALUMINUM at hour 50	2	2	2	0	3	2
AL- WEAR METALS ALUMINUM at hour 75	2	2	2	0	4	2
AL- WEAR METALS ALUMINUM at hour 100	3	2	2	0	3	2
AL- WEAR METALS ALUMINUM at hour 125	3	2	2	0	3	3
AL- WEAR METALS ALUMINUM at hour 150	3	2	2	0	3	2
AL- WEAR METALS ALUMINUM at hour 175	3	2	2	0	3	5
AL- WEAR METALS ALUMINUM at hour 200	4	2	3	0	4	4
AL- WEAR METALS ALUMINUM at hour 225	3	2	3	0	3	4
AL- WEAR METALS ALUMINUM at hour 250	4	2	2	0	3	4
AL- WEAR METALS ALUMINUM at hour 275	3	2	3	0	3	4
AL- WEAR METALS ALUMINUM at hour 300	3	2	3	0	4	4
CR- WEAR METALS CHROMIUM NEW OIL	<1	<1	<1	0	0	0
CR- WEAR METALS CHROMIUM at hour 25	3	3	3	0	4	3
CR- WEAR METALS CHROMIUM at hour 50	6	7	6	0	9	5
CR- WEAR METALS CHROMIUM at hour 75	10	10	11	10	13	9
CR- WEAR METALS CHROMIUM at hour 100	13	13	15	13	16	10
CR- WEAR METALS CHROMIUM at hour 125	14	14	16	17	19	12
CR- WEAR METALS CHROMIUM at hour 150	14	16	16	18	20	14
CR- WEAR METALS CHROMIUM at hour 175	16	18	18	21	22	16
CR- WEAR METALS CHROMIUM at hour 200	18	18	18	22	22	17
CR- WEAR METALS CHROMIUM at hour 225	18	20	19	20	23	17
CR- WEAR METALS CHROMIUM at hour 250	19	20	19	23	23	17
CR- WEAR METALS CHROMIUM at hour 275	20	22	20	23	22	18
CR- WEAR METALS CHROMIUM at hour 300	20	23	20	23	26	21
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 1	17.4	71.1	55.7	120.1	180.6	124
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 2	91.1	65.8	69.2	74.2	258.1	26.7
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 3	22.5	79.4	75	68.7	263.7	125.6
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 4	164.3	100.4	38.7	184.9	162.4	207.9
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 5	43.6	118.2	45.6	141.2	168.1	157.8
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 6	91.9	57.8	55.1	110.8	146.8	82
AVG INJECTOR ADJUSTING SCREW WEIGHT LOSS, mg	71.8	82.1	56.6	116.6	196.6	120.7
TOP RING WEIGHT LOSS, CYL 1 (mg)	203.5	176.9	130.6	110.4	212.9	153.8
TOP RING WEIGHT LOSS, CYL 2 (mg)	80.6	95.5	125.8	95.1	98.4	129.6
TOP RING WEIGHT LOSS, CYL 3 (mg)	180.4	109.3	106.3	151.5	168.5	117.3
TOP RING WEIGHT LOSS, CYL 4 (mg)	122	107.4	135.7	155.7	89.2	151.9
TOP RING WEIGHT LOSS, CYL 5 (mg)	179	182.1	162.6	157.3	144.8	109.2
TOP RING WEIGHT LOSS, CYL 6 (mg)	257.2	163.4	206.1	213.4	154.4	176.3
AVG. TOP RING WEIGHT LOSS (mg)	170.5	139.1	144.5	147.2	144.7	139.7
BEARING WEIGHT LOSS, UPPER, CYL 1	30.2	49.4	25	61.8	43.2	30.6
BEARING WEIGHT LOSS, LOWER, CYL 1	20.2	9.6	19.9	20.8	24.1	12.9
BEARING WEIGHT LOSS, UPPER, CYL 2	29.4	20.8	40.3	65.3	59.7	33.4
BEARING WEIGHT LOSS, LOWER, CYL 2	21.9	11.5	18	20.7	19.2	13.7
BEARING WEIGHT LOSS, UPPER, CYL 3	29.5	19.5	33.2	40.5	54.4	121.5
BEARING WEIGHT LOSS, LOWER, CYL 3	20.2	7.9	15.6	13.1	19.6	18
BEARING WEIGHT LOSS, UPPER, CYL 4	27.6	19.9	31.9	41.7	98.5	38.4
BEARING WEIGHT LOSS, LOWER, CYL 4	20.5	6.4	19.7	18.7	28.4	14.2
BEARING WEIGHT LOSS, UPPER, CYL 5	28.2	21.3	29.5	79.1	50.2	42.1
BEARING WEIGHT LOSS, LOWER, CYL 5	15.7	13.8	23	21.3	24.7	19.1
BEARING WEIGHT LOSS, UPPER, CYL 6	27.4	18.9	34.9	39.4	61.5	30.4
BEARING WEIGHT LOSS, LOWER, CYL 6	14.4	5.7	9.1	12.1	21	14.5
AVG. BEARING WEIGHT LOSS (mg)	23.8	17.1	25	36.2	42	32.4
PISTON 1 UNWEIGHTED TOTAL DEMERITS	117.155	129.4	133.87	138.554	141.735	164.935

CMIR	38966	38934	38968	38936	38971	40920
LAB (CODED)	A	A	A	B	B	B
STAND (CODED)	2	2	2	1	1	1
EOT DATE	20010310	20010406	20010504	20010202	20010514	20010605
EOT TIME	04:54	16:20	13:09	21:15	23:45	04:26
TMC OIL CODE	PC-9J	PC-9E	PC-9A	PC-9E	PC-9D	PC-9J
PISTON 2 UNWEIGHTED TOTAL DEMERITS	144.99	138.37	105.86	134.35	149.905	149.677
PISTON 3 UNWEIGHTED TOTAL DEMERITS	110.84	131.65	113.49	123.84	145.02	151.098
PISTON 4 UNWEIGHTED TOTAL DEMERITS	133.775	113.32	134.54	127.4	182.01	133.945
PISTON 5 UNWEIGHTED TOTAL DEMERITS	122.73	115.97	141.02	146.224	145.26	144
PISTON 6 UNWEIGHTED TOTAL DEMERITS	118	120.61	107.7	135.275	159.615	126.378
AVG. UNDER CROWN UNWEIGHTED DEMERITS	9.008	6.65	6.275	9.792	7.329	6.933
AVG. OIL COOLING GALLERY UNWEIGHTED DEMERITS	5.675	6.8	5.02	5.375	4.975	5.012
AVG. TOTAL UNWEIGHTED DEMERITS	124.582	124.887	122.747	134.274	153.924	145.006
TGC PISTON # 1 (DEMERITS)	29.25	40	51	43.25	55.5	53.5
TGC PISTON # 2 (DEMERITS)	60	45.75	26	45.75	44	50.75
TGC PISTON # 3 (DEMERITS)	27.75	32.25	31.25	42.25	41.25	44.5
TGC PISTON # 4 (DEMERITS)	33.25	36.75	38	41.75	76.5	46.25
TGC PISTON # 5 (DEMERITS)	26.25	33	57	52.25	50	46
TGC PISTON # 6 (DEMERITS)	27.5	36	31.25	31	52.25	32
AVG. TGC (DEMERITS)	34	37.29	39.08	42.71	53.25	45.5
TLC PISTON #1 (DEMERITS)	18.75	21.5	12.75	19.75	19.25	19.25
TLC PISTON #2 (DEMERITS)	21	20.75	18.75	20.5	21.25	20.25
TLC PISTON #3 (DEMERITS)	18.75	23.5	18	28	22	17.75
TLC PISTON #4 (DEMERITS)	19	18.25	18.75	24.5	27	26.75
TLC PISTON #5 (DEMERITS)	17.5	18.75	14	19	23.75	18.75
TLC PISTON #6 (DEMERITS)	20.5	19	13	21	22	18.75
AVG. TLC (DEMERITS)	19.25	20.29	15.88	22.12	22.54	20.25
AVERAGE WEAR STEP CYL 1	5	3.9	3.8	3.4	5.9	6.2
AVERAGE WEAR STEP CYL 2	3.4	5	4.4	5.1	5.4	5.2
AVERAGE WEAR STEP CYL 3	3.7	3.3	4.7	3.3	6.7	3
AVERAGE WEAR STEP CYL 4	4.7	4.2	4.3	3.5	5	5.6
AVERAGE WEAR STEP CYL 5	5.4	4.6	4.3	3.8	5.5	6.8
AVERAGE WEAR STEP CYL 6	4.9	5.8	5.1	3.4	5.6	4.9
CYLINDER LINER WEAR AVERAGE AS MEASURED	4.5	4.5	4.4	3.8	5.7	5.3
NUMBER OF DOWNTIME OCCURRENCES	9	5	5	10	9	10
VALIDITY	PO	PO	PO	PO	PO	PO
COMMENT 1	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX
COMMENT 2	TEST	TEST	TEST	TEST	TEST	TEST
COMMENT 3						
COMMENT 4						
AVG. ENGINE SPEED AVERAGE OF STAGES A (r/min)	1800	1800	1800	1800	1800	1800
AVG. ENGINE SPEED AVERAGE OF STAGES B (r/min)	1600	1600	1600	1600	1600	1600
AVG. FUEL FLOW OF STAGES A (kg/h)	58	58	58	57.9	58	58
AVG. FUEL FLOW OF STAGES B (kg/h)	64.4	64.3	64.4	64.4	64.3	64.4
AVG. ENGINE COOLANT OUT TEMP (DEG C)	66	66	66	65.5	65.5	65.5
AVG. FUEL IN TEMP (DEG C)	40	40	40	40	40	40
AVG. OIL GALLERY TEMP (DEG C)	115	115	115	115	115	115.1
AVG. INTAKE MANIFOLD TEMP STAGE A (DEG C)	79.9	80	80	80	79.9	80
AVG. INTAKE MANIFOLD TEMP STAGE B (DEG C)	65.6	65.7	65.9	65.5	65.5	65.5
AVG. EXHAUST PRESSURE (kPa)	107	107	107	107	107	107
AVG. TORQUE AVERAGE OF STAGES A (N-m)	1380.6	1399.6	1377.2	1289.3	1249.6	1245.6
AVG. TORQUE AVERAGE OF STAGES B (N-m)	1949.7	1953.9	1944.2	1877.5	1792.4	1841.2
AVG. POWER AVERAGE OF STAGES A (kW)	260.3	263.8	259.6	243	235.6	234.8
AVG POWER AVERAGE OF STAGES B (kW)	326.7	327.4	325.8	314.6	300.4	308.5
EGR RATE STAGES A (%)	13	13.5	13	13.3	13.6	13.3
EGR RATE STAGES B (%)	9.4	9.5	9.3	8.9	9.1	9
AVG. BLOWBY (L/min)	92.8	104.3	73.6	138.5	143.5	154.9
AVG. ENGINE COOLANT IN TEMP (DEG C)	59.2	59.3	59.2	58.9	58.7	58.8

CMIR	38966	38934	38968	38936	38971	40920
LAB (CODED)	A	A	A	B	B	B
STAND (CODED)	2	2	2	1	1	1
EOT DATE	20010310	20010406	20010504	20010202	20010514	20010605
EOT TIME	04:54	16:20	13:09	21:15	23:45	04:26
TMC OIL CODE	PC-9J	PC-9E	PC-9A	PC-9E	PC-9D	PC-9J
AVG. INTAKE AIR TEMP (DEG C)	29.4	29.5	29.4	30	30	30
AVG. PRE-TURBINE FRONT TEMP (DEG C)	606.8	610.8	608.8	443.2	600.1	590.7
AVG. PRE-TURBINE REAR TEMP (DEG C)	617.5	622.1	620.2	414	590.7	595.3
AVG. TAILPIPE TEMP (DEG C)	440.3	444.2	441.3	413.6	419.7	421.3
AVG. FUEL PRESSURE (kPa)	1091.7	1090.4	1091.4	.	1090	1121.5
AVG. OIL GALLERY PRESSURE (kPa)	250.9	251.8	253.1	244.2	258.3	257.3
AVG. COOLANT PRESSURE (kPa)	95.2	93.6	95.1	254.4	102	103.5
AVG INTAKE MANIFOLD PRESSURE (kPa)	334.2	333.2	336.5	348.5	350.7	346.7
AVG. CRANKCASE PRESSURE (kPa)	1.3	1.2	1.7	1.4	2.4	2.5
AVG. INTAKE AIR PRESSURE (kPa)	94.8	94.83	94.88	99.06	99.09	98.12
SOT ORIFICE SIZE	1.063	1.063	1.000	1.375	1.000	1
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	166:00
2ND ORIFICE SIZE	NA	NA	NA	NA	NA	1.063
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
3RD ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
4TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
5TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
6TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
AVG. INTAKE CO2, STAGE A	1.03	1.08	1.04	1.000	0.96	0.99
AVG. EXHAUST CO2, STAGE A	8.24	8.30	8.30	7.800	7.3	7.7
AVG. INTAKE CO2, STAGE B	0.83	0.86	0.86	0.760	0.75	0.76
AVG. EXHAUST CO2, STAGE B	9.23	9.39	9.57	8.800	8.5	8.7
SOT TIMING	16.1	16.1	16.1	16.1	16.1	16.1
TIMING CHANGE AT XXX HOURS	25:00	25:00	150:00	128:26	32:00	NA
2ND TIMING SETTING	17.5	18.0	18.0	18.0	17.5	NA
TIMING CHANGE AT XXX HOURS	200:00	NA	NA	241:15	131:30	NA
3RD TIMING SETTING	18.0	NA	NA	16.1	18.2	NA
TIMING CHANGE AT XXX HOURS	NA	NA	NA	NA	197:00	NA
4TH TIMING SETTING	NA	NA	NA	NA	18.0	NA
TOP RING GAP INCREASE, CYL 1 (INCHES)	0.001	0.000	0.001	0.000	0.000	0.002
TOP RING GAP INCREASE, CYL 2 (INCHES)	0.001	0.000	0.000	0.001	0.000	0.001
TOP RING GAP INCREASE, CYL 3 (INCHES)	0.001	0.000	0.000	0.000	0.000	0.001
TOP RING GAP INCREASE, CYL 4 (INCHES)	0.001	0.000	0.000	0.001	0.000	0.001
TOP RING GAP INCREASE, CYL 5 (INCHES)	0.001	0.000	0.000	0.001	0.001	0.002
TOP RING GAP INCREASE, CYL 6 (INCHES)	0.001	0.000	0.000	0.000	0.001	0.002
AVERAGE TOP RING GAP INCREASE	0.001	0.000	0.00017	0.0005	0.00033	0.0015

CMIR	38972	38931	38963	38965	38964
LAB (CODED)	B	D	D	D	D
STAND (CODED)	1	1	1	1	1
EOT DATE	20010623	20001221	20010326	20010423	20010529
EOT TIME	06:22	21:58	19:36	19:49	08:31
TMC OIL CODE	PC-9B	PC-9E	PC-9D	PC-9C	PC-9H
TOTAL OIL CONSUMPTION (kg)	7.95	7.33	10.37	11.46	6.91
FINAL ORIG UNIT ADJ AVG CROSSHEAD MASS LOSS (mg)	50.9	19.9	16.5	35.9	33.9
FINAL ORIG UNIT FILTER PLUGGING DELTA P (kPa)	601	118	224	606	184
FINAL ORIG UNIT AVG SLUDGE RATING (MERITS)	8.3	9.1	7.8	7.7	8.6
CROSSHEAD MASS LOSS - LOCATION 1I (mg)	43.3	4.2	8.2	6.4	14.1
CROSSHEAD MASS LOSS - LOCATION 2I (mg)	57.5	25	20.7	29	21.8
CROSSHEAD MASS LOSS - LOCATION 3I (mg)	8.2	4.6	12.7	7.4	20.8
CROSSHEAD MASS LOSS - LOCATION 4I (mg)	19.2	15.3	31.8	31.5	33.6
CROSSHEAD MASS LOSS - LOCATION 5I (mg)	8.3	25.4	8.9	13.1	10.2
CROSSHEAD MASS LOSS - LOCATION 6I (mg)	61.8	7.8	13.9	57.5	60.9
CROSSHEAD MASS LOSS - LOCATION 1E (mg)	25	21.5	13.5	50.6	31
CROSSHEAD MASS LOSS - LOCATION 2E (mg)	18.4	45.1	12.7	65.1	31.8
CROSSHEAD MASS LOSS - LOCATION 3E (mg)	117.3	59.3	18.1	64	23.9
CROSSHEAD MASS LOSS - LOCATION 4E (mg)	8.9	21.6	22	45.4	95.6
CROSSHEAD MASS LOSS - LOCATION 5E (mg)	109.2	16	12.3	32.5	41.4
CROSSHEAD MASS LOSS - LOCATION 6E (mg)	134	34.9	22.6	27.7	21.5
300 H SLUDGE MERIT RATING VALVE COVER (MERITS)	7.93	9.08	7.4	7.82	8.46
300 H SLUDGE MERIT RATING OIL PAN (MERITS)	8.66	9.11	8.18	7.65	8.83
VISCOSITY AT 100 DEG C , NEW OIL (cSt)	15.31	15.42	15.72	15.23	15.15
VISCOSITY AT 100 DEG C , AT 025 HOURS (cSt)	16.22	15.7	16.37	15.92	14.96
VISCOSITY AT 100 DEG C , AT 050 HOURS (cSt)	18.24	16.82	17.5	17.44	15.31
VISCOSITY AT 100 DEG C , AT 075 HOURS (cSt)	18.24	15.86	16.59	17.44	15.3
VISCOSITY AT 100 DEG C , AT 100 HOURS (cSt)	18.3	15.52	16.08	17.56	15.02
VISCOSITY AT 100 DEG C , AT 125 HOURS (cSt)	22.24	18.14	18.83	20.79	17.9
VISCOSITY AT 100 DEG C , AT 150 HOURS (cSt)	27.06	24.6	26.36	27.86	26.14
VISCOSITY AT 100 DEG C , AT 175 HOURS (cSt)	22.38	18.93	.	23.39	19.58
VISCOSITY AT 100 DEG C , AT 200 HOURS (cSt)	22.66	17.94	19.37	22.56	19.08
VISCOSITY AT 100 DEG C , AT 225 HOURS (cSt)	29.22	25.43	33.87	35.25	43.4
VISCOSITY AT 100 DEG C , AT 250 HOURS (cSt)	47.46	43.49	95.55	51.7	54.91
VISCOSITY AT 100 DEG C , AT 275 HOURS (cSt)	30.2	22.24	28.22	37.83	25.55
VISCOSITY AT 100 DEG C , AT 300 HOURS (cSt)	28.39	20.31	24.31	32.2	22.72
TGA PERCENT SOOT NEW OIL (%)	0	0.1	0.1	0.1	0.1
TGA PERCENT SOOT AT 025 HOURS (%)	2.3	1.6	1.9	1.8	1.8
TGA PERCENT SOOT AT 050 HOURS (%)	4.4	3	3.5	3.3	3.4
TGA PERCENT SOOT AT 075 HOURS (%)	4.5	3.1	3.7	3.5	3.5
TGA PERCENT SOOT AT 100 HOURS (%)	4.7	3.3	3.7	3.6	3.4
TGA PERCENT SOOT AT 125 HOURS (%)	6.3	4.6	5.1	5	4.9
TGA PERCENT SOOT AT 150 HOURS (%)	7.3	5.9	6.6	6.2	6.2
TGA PERCENT SOOT AT 175 HOURS (%)	7.1	5.8	6.6	6.2	6.2
TGA PERCENT SOOT AT 200 HOURS (%)	7.4	5.8	6.5	6.2	6.1
TGA PERCENT SOOT AT 225 HOURS (%)	8.5	7	7.7	7.4	7.5
TGA PERCENT SOOT AT 250 HOURS (%)	9.6	8.2	8.7	8.6	8.7
TGA PERCENT SOOT AT 275 HOURS (%)	9.6	8.2	8.6	8.4	8.7
TGA PERCENT SOOT AT 300 HOURS (%)	9.7	8.1	8.5	8.7	8.5
TOTAL BASE NUMBER NEW OIL	9.8	7.7	11.1	10	2.1
TOTAL BASE NUMBER AT 050 HOURS	8.9	9.2	8.8	8.9	7.6
TOTAL BASE NUMBER AT 100 HOURS	7.4	7.3	7.5	7.6	4.7
TOTAL BASE NUMBER AT 125 HOURS	6.7	6.8	7.1	7.1	4.3
TOTAL BASE NUMBER AT 150 HOURS	5.4	6.3	6.8	6.5	3.9
TOTAL BASE NUMBER AT 175 HOURS	5.8	5.6	.	5.8	3.4
TOTAL BASE NUMBER AT 200 HOURS	4.4	5.1	3.3	5.2	2.9
TOTAL BASE NUMBER AT 225 HOURS	3.8	4.6	5	4.8	2.7
TOTAL BASE NUMBER AT 250 HOURS	3	4.6	4.3	4.2	2.5

CMIR	38972	38931	38963	38965	38964
LAB (CODED)	B	D	D	D	D
STAND (CODED)	1	1	1	1	1
EOT DATE	20010623	20001221	20010326	20010423	20010529
EOT TIME	06:22	21:58	19:36	19:49	08:31
TMC OIL CODE	PC-9B	PC-9E	PC-9D	PC-9C	PC-9H
TOTAL BASE NUMBER AT 275 HOURS	3.2	4.2	3.8	4.6	2.5
TOTAL BASE NUMBER AT 300 HOURS	3.2	3.6	4.2	3.6	2.6
TAN NEW OIL	3.44	1.9	2.4	3.1	2.5
TAN AT 050 HOURS	3.9	3	3	2.9	3.4
TAN AT 100 HOURS	4.6	3.3	3	3.3	3.6
TAN AT 125 HOURS	4.9	3.5	2.7	3.4	3.1
TAN AT 150 HOURS	5.3	3.6	2.8	3.7	3.2
TAN AT 175 HOURS	5	3.7	3.2	3.8	3
TAN AT 200 HOURS	5.2	3.7	3.1	4.4	3.4
TAN AT 225 HOURS	5.6	4.2	3.1	3.3	3.2
TAN AT 250 HOURS	5	4.4	2.6	3.4	3.1
TAN AT 275 HOURS	5.6	3.6	3.5	3.3	3
TAN AT 300 HOURS	5.8	4	3.1	3.6	3.2
CU - WEAR METALS COPPER NEW OIL[<] (ppm)	1	0	0	0	0
CU - WEAR METALS COPPER HOURS [<] (ppm)025	2	2	2	1	2
CU - WEAR METALS COPPER HOURS [<] (ppm)050	2	2	2	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)075	2	3	2	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)100	3	4	3	2	3
CU - WEAR METALS COPPER HOURS [<] (ppm)125	4	4	3	2	3
CU - WEAR METALS COPPER HOURS [<] (ppm)150	4	4	3	2	3
CU - WEAR METALS COPPER HOURS [<] (ppm)175	4	4	4	3	4
CU - WEAR METALS COPPER HOURS [<] (ppm)200	4	4	5	4	5
CU - WEAR METALS COPPER HOURS [<] (ppm)225	5	4	6	4	5
CU - WEAR METALS COPPER HOURS [<] (ppm)250	5	5	7	5	5
CU - WEAR METALS COPPER HOURS [<] (ppm)275	6	6	7	5	6
CU - WEAR METALS COPPER HOURS [<] (ppm)300	6	6	8	6	7
FE - WEAR METALS IRON NEW OIL [<] (ppm)	3	1	1	2	2
FE - WEAR METALS IRON HOURS [<] (ppm)025	26	23	29	19	27
FE - WEAR METALS IRON HOURS [<] (ppm)050	47	42	46	36	47
FE - WEAR METALS IRON HOURS [<] (ppm)075	79	74	72	57	80
FE - WEAR METALS IRON HOURS [<] (ppm)100	104	94	94	75	101
FE - WEAR METALS IRON HOURS [<] (ppm)125	119	106	108	83	115
FE - WEAR METALS IRON HOURS [<] (ppm)150	130	117	131	91	124
FE - WEAR METALS IRON HOURS [<] (ppm)175	151	139	152	109	149
FE - WEAR METALS IRON HOURS [<] (ppm)200	176	155	176	122	166
FE - WEAR METALS IRON HOURS [<] (ppm)225	206	168	183	133	180
FE - WEAR METALS IRON HOURS [<] (ppm)250	223	183	195	140	198
FE - WEAR METALS IRON HOURS [<] (ppm)275	274	220	225	160	236
FE - WEAR METALS IRON HOURS [<] (ppm)300	306	224	267	184	261
PB - WEAR METALS LEAD NEW OIL [<] (ppm)	0	0	0	0	0
PB - WEAR METALS LEAD HOURS [<] (ppm)025	1	2	0	0	0
PB - WEAR METALS LEAD HOURS [<] (ppm)050	1	2	0	1	0
PB - WEAR METALS LEAD HOURS [<] (ppm)075	3	3	1	1	0
PB - WEAR METALS LEAD HOURS [<] (ppm)100	4	3	4	3	1
PB - WEAR METALS LEAD HOURS [<] (ppm)125	4	3	4	3	2
PB - WEAR METALS LEAD HOURS [<] (ppm)150	5	3	5	3	2
PB - WEAR METALS LEAD HOURS [<] (ppm)175	5	4	6	4	2
PB - WEAR METALS LEAD HOURS [<] (ppm)200	6	4	7	6	3
PB - WEAR METALS LEAD HOURS [<] (ppm)225	8	4	7	7	3
PB - WEAR METALS LEAD HOURS [<] (ppm)250	10	5	7	9	4
PB - WEAR METALS LEAD HOURS [<] (ppm)275	12	6	8	13	6
PB - WEAR METALS LEAD HOURS [<] (ppm)300	14	7	9	19	7
AL- WEAR METALS ALUMINUM	2	1	0	2	1

CMIR	38972	38931	38963	38965	38964
LAB (CODED)	B	D	D	D	D
STAND (CODED)	1	1	1	1	1
EOT DATE	20010623	20001221	20010326	20010423	20010529
EOT TIME	06:22	21:58	19:36	19:49	08:31
TMC OIL CODE	PC-9B	PC-9E	PC-9D	PC-9C	PC-9H
AL- WEAR METALS ALUMINUM at hour 25	3	1	1	2	3
AL- WEAR METALS ALUMINUM at hour 50	2	2	2	1	4
AL- WEAR METALS ALUMINUM at hour 75	4	3	2	1	5
AL- WEAR METALS ALUMINUM at hour 100	4	3	2	2	0
AL- WEAR METALS ALUMINUM at hour 125	3	3	2	2	4
AL- WEAR METALS ALUMINUM at hour 150	3	2	3	2	4
AL- WEAR METALS ALUMINUM at hour 175	4	3	4	3	5
AL- WEAR METALS ALUMINUM at hour 200	4	4	3	3	5
AL- WEAR METALS ALUMINUM at hour 225	4	3	3	3	5
AL- WEAR METALS ALUMINUM at hour 250	4	4	3	3	5
AL- WEAR METALS ALUMINUM at hour 275	5	4	4	4	5
AL- WEAR METALS ALUMINUM at hour 300	6	4	5	3	6
CR- WEAR METALS CHROMIUM NEW OIL	0	0	0	0	0
CR- WEAR METALS CHROMIUM at hour 25	4	2	2	3	2
CR- WEAR METALS CHROMIUM at hour 50	7	5	5	5	5
CR- WEAR METALS CHROMIUM at hour 75	11	9	9	8	9
CR- WEAR METALS CHROMIUM at hour 100	15	11	12	11	12
CR- WEAR METALS CHROMIUM at hour 125	15	13	14	12	13
CR- WEAR METALS CHROMIUM at hour 150	16	14	17	13	13
CR- WEAR METALS CHROMIUM at hour 175	16	15	18	14	15
CR- WEAR METALS CHROMIUM at hour 200	18	16	20	15	16
CR- WEAR METALS CHROMIUM at hour 225	19	16	20	15	17
CR- WEAR METALS CHROMIUM at hour 250	18	17	20	15	17
CR- WEAR METALS CHROMIUM at hour 275	20	18	20	16	18
CR- WEAR METALS CHROMIUM at hour 300	21	18	21	17	18
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 1	408.3	176.8	146.9	21.4	176.2
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 2	107.9	141	115.9	41.1	146.6
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 3	168.4	124	120.7	22.5	274.2
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 4	152.5	18.5	124.1	28	108.8
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 5	259.3	74.7	134	36.4	208.6
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 6	55	58.2	175.1	51.8	20.3
AVG INJECTOR ADJUSTING SCREW WEIGHT LOSS, mg	191.9	98.9	136.1	33.5	155.8
TOP RING WEIGHT LOSS, CYL 1 (mg)	148	47	141.1	62.2	152.1
TOP RING WEIGHT LOSS, CYL 2 (mg)	105.9	122.4	167.9	118	156.4
TOP RING WEIGHT LOSS, CYL 3 (mg)	109.1	80.3	196.1	120.1	159.8
TOP RING WEIGHT LOSS, CYL 4 (mg)	118.9	156.7	123	175.7	157
TOP RING WEIGHT LOSS, CYL 5 (mg)	143.5	152.5	138.9	75.4	159.3
TOP RING WEIGHT LOSS, CYL 6 (mg)	165.1	118.1	210.6	91.4	199.4
AVG. TOP RING WEIGHT LOSS (mg)	131.8	112.8	162.9	107.1	164
BEARING WEIGHT LOSS, UPPER, CYL 1	206.8	25.7	21.2	41.3	10.1
BEARING WEIGHT LOSS, LOWER, CYL 1	23.7	13	7.5	11	7.3
BEARING WEIGHT LOSS, UPPER, CYL 2	175.9	19.9	18.2	79.4	24.6
BEARING WEIGHT LOSS, LOWER, CYL 2	17.7	13.7	7.2	11.6	10.8
BEARING WEIGHT LOSS, UPPER, CYL 3	70.9	64.6	21.3	282.5	15.3
BEARING WEIGHT LOSS, LOWER, CYL 3	12	18.8	8.3	10.8	12.6
BEARING WEIGHT LOSS, UPPER, CYL 4	87.1	28.6	260.6	296.7	14.9
BEARING WEIGHT LOSS, LOWER, CYL 4	14	12	9.7	6.7	7.3
BEARING WEIGHT LOSS, UPPER, CYL 5	87.7	20.8	253.6	26.4	111.1
BEARING WEIGHT LOSS, LOWER, CYL 5	16.3	13.8	11.7	13	9.9
BEARING WEIGHT LOSS, UPPER, CYL 6	64	187	29.9	23.8	17.1
BEARING WEIGHT LOSS, LOWER, CYL 6	18.3	28.1	7.8	8.9	10.3
AVG. BEARING WEIGHT LOSS (mg)	66.2	37.2	54.8	67.7	20.9
PISTON 1 UNWEIGHTED TOTAL DEMERITS	162.98	117.79	104.21	139.4	124.5

CMIR	38972	38931	38963	38965	38964
LAB (CODED)	B	D	D	D	D
STAND (CODED)	1	1	1	1	1
EOT DATE	20010623	20001221	20010326	20010423	20010529
EOT TIME	06:22	21:58	19:36	19:49	08:31
TMC OIL CODE	PC-9B	PC-9E	PC-9D	PC-9C	PC-9H
PISTON 2 UNWEIGHTED TOTAL DEMERITS	215.685	116.78	103.27	104.2	124.2
PISTON 3 UNWEIGHTED TOTAL DEMERITS	149.29	120.23	98.03	135.6	111
PISTON 4 UNWEIGHTED TOTAL DEMERITS	188.335	93.82	117.34	118.9	109.5
PISTON 5 UNWEIGHTED TOTAL DEMERITS	184.355	106.26	115.31	137.3	121.8
PISTON 6 UNWEIGHTED TOTAL DEMERITS	169.924	100.47	108.12	152.8	106.4
AVG. UNDER CROWN UNWEIGHTED DEMERITS	8.938	5.7	4.95	8.367	9.598
AVG. OIL COOLING GALLERY UNWEIGHTED DEMERITS	4.175	4.2	3.467	7.272	7.432
AVG. TOTAL UNWEIGHTED DEMERITS	178.428	109.225	107.713	131.367	116.233
TGC PISTON # 1 (DEMERITS)	45.75	35.25	34.25	47.25	43.75
TGC PISTON # 2 (DEMERITS)	66.5	41.5	33.25	26.75	34.75
TGC PISTON # 3 (DEMERITS)	36.75	35.75	31.25	41.5	25
TGC PISTON # 4 (DEMERITS)	60	24.75	28.5	25	25
TGC PISTON # 5 (DEMERITS)	49.5	29.25	26.25	49.25	25.25
TGC PISTON # 6 (DEMERITS)	44.75	26	34.75	34.5	25
AVG. TGC (DEMERITS)	50.54	32.08	31.38	37.38	29.79
TLC PISTON #1 (DEMERITS)	19.5	16.75	21.5	15.5	22.5
TLC PISTON #2 (DEMERITS)	21	22.75	21.75	15.75	23.75
TLC PISTON #3 (DEMERITS)	18.25	23.25	21	19.5	19.75
TLC PISTON #4 (DEMERITS)	22.5	17	21.25	17.5	21.5
TLC PISTON #5 (DEMERITS)	22.5	20.25	18.75	21.25	19.25
TLC PISTON #6 (DEMERITS)	23.75	17.5	21.25	18	18
AVG. TLC (DEMERITS)	21.25	19.58	20.92	17.92	20.79
AVERAGE WEAR STEP CYL 1	4	6.7	6.6	5.2	5.2
AVERAGE WEAR STEP CYL 2	5.6	6.8	5.6	6.8	7.9
AVERAGE WEAR STEP CYL 3	5.3	6.5	5.2	6.5	7.5
AVERAGE WEAR STEP CYL 4	5.6	5.3	5	3.3	6.9
AVERAGE WEAR STEP CYL 5	6.9	6.6	5.8	5.9	6.9
AVERAGE WEAR STEP CYL 6	4.4	6.5	6.1	5.2	7.6
CYLINDER LINER WEAR AVERAGE AS MEASURED	5.3	6.4	5.7	5.5	7
NUMBER OF DOWNTIME OCCURRENCES	5	5	14	4	4
VALIDITY	PO	PO	PO	PO	PO
COMMENT 1	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX
COMMENT 2	TEST	TEST	TEST	TEST	TEST
COMMENT 3	LOGAL PR			LOGALP	
COMMENT 4	FIL CHNG			FILCHNGE	
AVG. ENGINE SPEED AVERAGE OF STAGES A (r/min)	1800	1800	1800	1800	1800
AVG. ENGINE SPEED AVERAGE OF STAGES B (r/min)	1600	1600	1600	1600	1600
AVG. FUEL FLOW OF STAGES A (kg/h)	58	58	58	58	58
AVG. FUEL FLOW OF STAGES B (kg/h)	64.4	64.4	64.4	64.4	64.4
AVG. ENGINE COOLANT OUT TEMP (DEG C)	65.5	65.9	65.5	65.4	65.5
AVG. FUEL IN TEMP (DEG C)	40.1	40	40	40	40
AVG. OIL GALLERY TEMP (DEG C)	115	114.9	115	115	115
AVG. INTAKE MANIFOLD TEMP STAGE A (DEG C)	80	80	80	80	80
AVG. INTAKE MANIFOLD TEMP STAGE B (DEG C)	65.6	65.5	65.5	65.5	65.5
AVG. EXHAUST PRESSURE (kPa)	107	107	107	107	107
AVG. TORQUE AVERAGE OF STAGES A (N-m)	1266.1	1317	1315	1308	1303
AVG. TORQUE AVERAGE OF STAGES B (N-m)	1832.9	1925	1918	1917	1926
AVG. POWER AVERAGE OF STAGES A (kW)	238.7	248.2	247.9	246.6	245.6
AVG POWER AVERAGE OF STAGES B (kW)	307.1	322.5	321.4	321.2	319.2
EGR RATE STAGES A (%)	13.5	13.3	13.7	12.9	13.7
EGR RATE STAGES B (%)	9.1	9	9.3	9.2	9.3
AVG. BLOWBY (L/min)	117	146.4	59.2	171.4	145.3
AVG. ENGINE COOLANT IN TEMP (DEG C)	58.5	58.8	56.4	58.1	58.2

CMIR	38972	38931	38963	38965	38964
LAB (CODED)	B	D	D	D	D
STAND (CODED)	1	1	1	1	1
EOT DATE	20010623	20001221	20010326	20010423	20010529
EOT TIME	06:22	21:58	19:36	19:49	08:31
TMC OIL CODE	PC-9B	PC-9E	PC-9D	PC-9C	PC-9H
AVG. INTAKE AIR TEMP (DEG C)	30	30	29.9	30	30
AVG. PRE-TURBINE FRONT TEMP (DEG C)	606.9	586.3	598.4	602.9	595.2
AVG. PRE-TURBINE REAR TEMP (DEG C)	606.4	592.9	606.9	604.1	605.2
AVG. TAILPIPE TEMP (DEG C)	448.9	415.4	429	431.4	424.8
AVG. FUEL PRESSURE (kPa)	1086.5	1055.9	1051.8	1051.3	1050.5
AVG. OIL GALLERY PRESSURE (kPa)	235.5	253.2	228.6	249.8	231.8
AVG. COOLANT PRESSURE (kPa)	101.8	.	86.2	101.3	100.9
AVG INTAKE MANIFOLD PRESSURE (kPa)	349.8	352.8	346.8	344.2	350.8
AVG. CRANKCASE PRESSURE (kPa)	2.2	1.3	3.3	2.1	0.9
AVG. INTAKE AIR PRESSURE (kPa)	98.66	95.5	95.5	95.5	95.5
SOT ORIFICE SIZE	0.688	1.150	1.100	1.125	1.125
ORIFICE CHANGE AT XXX HOURS	76:22	127:00	NA	NA	256:36
2ND ORIFICE SIZE	0.938	1.190	NA	NA	1.190
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA
3RD ORIFICE SIZE	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA
4TH ORIFICE SIZE	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA
5TH ORIFICE SIZE	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA
6TH ORIFICE SIZE	NA	NA	NA	NA	NA
AVG. INTAKE CO2, STAGE A	0.85	1.023	1.127	1.063	1.077
AVG. EXHAUST CO2, STAGE A	7.4	7.967	8.533	8.517	8.05
AVG. INTAKE CO2, STAGE B	0.74	0.783	0.850	0.837	0.793
AVG. EXHAUST CO2, STAGE B	8.4	8.977	9.553	9.483	8.843
SOT TIMING	16.1	16.1	16.1	16.1	16.1
TIMING CHANGE AT XXX HOURS	109:27	NA	NA	NA	NA
2ND TIMING SETTING	17.1	NA	NA	NA	NA
TIMING CHANGE AT XXX HOURS	127:30	NA	NA	NA	NA
3RD TIMING SETTING	18.5	NA	NA	NA	NA
TIMING CHANGE AT XXX HOURS	150:37	NA	NA	NA	NA
4TH TIMING SETTING	19.0	NA	NA	NA	NA
TOP RING GAP INCREASE, CYL 1 (INCHES)	0.002	0.002	0.000	0.000	-0.001
TOP RING GAP INCREASE, CYL 2 (INCHES)	0.001	0.001	0.000	0.002	0.000
TOP RING GAP INCREASE, CYL 3 (INCHES)	0.001	0.001	0.000	0.000	0.001
TOP RING GAP INCREASE, CYL 4 (INCHES)	0.002	0.001	0.000	0.001	0.002
TOP RING GAP INCREASE, CYL 5 (INCHES)	0.002	0.001	0.000	0.002	0.001
TOP RING GAP INCREASE, CYL 6 (INCHES)	0.002	0.001	0.000	0.000	0.001
AVERAGE TOP RING GAP INCREASE	0.0017	0.00117	0.000	0.00083	0.000666667

CMIR	38927	38962	38930	38960	38959	38928
LAB (CODED)	G	G	G	G	G	G
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20010129	20010321	20010410	20010428	20010518	20010126
EOT TIME	12:15	03:25	22:30	00:26	05:22	17:40
TMC OIL CODE	PC-9E	PC-9F	PC-9E	PC-9H	PC-9A	PC-9E
TOTAL OIL CONSUMPTION (kg)	8.5	8.46	7.34	6.57	8.19	7.74
FINAL ORIG UNIT ADJ AVG CROSSHEAD MASS LOSS (mg)	20.2	15.8	18.7	11.1	11.3	17.1
FINAL ORIG UNIT FILTER PLUGGING DELTA P (kPa)	178	171	190	175	76	111
FINAL ORIG UNIT AVG SLUDGE RATING (MERITS)	9	8.2	8.4	8.6	8.9	8.9
CROSSHEAD MASS LOSS - LOCATION 1I (mg)	16.6	10.3	11.2	8.3	3.8	10.7
CROSSHEAD MASS LOSS - LOCATION 2I (mg)	16.1	6.5	8.6	7.9	10.6	18.4
CROSSHEAD MASS LOSS - LOCATION 3I (mg)	18	15.7	6	7.1	4.5	17.5
CROSSHEAD MASS LOSS - LOCATION 4I (mg)	25.1	15.3	18.6	5.5	6.7	15.7
CROSSHEAD MASS LOSS - LOCATION 5I (mg)	13	8.1	8.5	11.4	4.8	9.5
CROSSHEAD MASS LOSS - LOCATION 6I (mg)	22.9	13.9	5.4	7.3	9	9.5
CROSSHEAD MASS LOSS - LOCATION 1E (mg)	37.7	18.8	16.7	11.6	11.8	32.6
CROSSHEAD MASS LOSS - LOCATION 2E (mg)	27.8	28.8	25.6	20.3	22	16.6
CROSSHEAD MASS LOSS - LOCATION 3E (mg)	6.6	21.3	21.9	21.7	4.2	8.4
CROSSHEAD MASS LOSS - LOCATION 4E (mg)	23	22.6	41.7	10	32.4	30.6
CROSSHEAD MASS LOSS - LOCATION 5E (mg)	22.2	7.9	11.1	6.1	17.8	9
CROSSHEAD MASS LOSS - LOCATION 6E (mg)	19.5	20.8	49	16.5	8.5	33.4
300 H SLUDGE MERIT RATING VALVE COVER (MERITS)	8.9	7.88	8.1	8.78	8.82	8.73
300 H SLUDGE MERIT RATING OIL PAN (MERITS)	9.06	8.44	8.6	8.42	9.04	9.02
VISCOSITY AT 100 DEG C , NEW OIL (cSt)	15.58	16.1	15.62	15.18	15.23	15.57
VISCOSITY AT 100 DEG C , AT 025 HOURS (cSt)	15.78	16.48	16.02	15.02	16	15.73
VISCOSITY AT 100 DEG C , AT 050 HOURS (cSt)	16.63	17.81	16.92	15.32	17.63	16.52
VISCOSITY AT 100 DEG C , AT 075 HOURS (cSt)	15.77	16.88	16.16	15.01	17.42	15.74
VISCOSITY AT 100 DEG C , AT 100 HOURS (cSt)	15.39	16.78	15.7	14.89	17.46	15.42
VISCOSITY AT 100 DEG C , AT 125 HOURS (cSt)	17.83	25.11	18.64	16.58	19.31	17.76
VISCOSITY AT 100 DEG C , AT 150 HOURS (cSt)	24.9	76.96	26.34	20.42	21.53	26.22
VISCOSITY AT 100 DEG C , AT 175 HOURS (cSt)	29.04	31.49	19.54	17.25	20.9	18.46
VISCOSITY AT 100 DEG C , AT 200 HOURS (cSt)	17.7	27.5	18.58	16.84	20.64	17.69
VISCOSITY AT 100 DEG C , AT 225 HOURS (cSt)	25.64	96.18	32.73	22.72	23.03	18.38
VISCOSITY AT 100 DEG C , AT 250 HOURS (cSt)	55.56	.	58.86	32.54	25.97	45.72
VISCOSITY AT 100 DEG C , AT 275 HOURS (cSt)	22.27	102.6	25.11	19.74	24.19	21.34
VISCOSITY AT 100 DEG C , AT 300 HOURS (cSt)	20.5	61.14	20.88	18.16	23.6	19.5
TGA PERCENT SOOT NEW OIL (%)	0.1	0	0.1	0.1	0	0.1
TGA PERCENT SOOT AT 025 HOURS (%)	1.8	1.7	2.1	1.7	2	1.6
TGA PERCENT SOOT AT 050 HOURS (%)	3.5	3.4	3.7	3.2	3.8	3
TGA PERCENT SOOT AT 075 HOURS (%)	3.6	3.6	3.7	3.1	3.9	3.1
TGA PERCENT SOOT AT 100 HOURS (%)	3.8	3.8	3.9	3.2	4	3.2
TGA PERCENT SOOT AT 125 HOURS (%)	5	5.1	4.6	4.3	5.3	4.5
TGA PERCENT SOOT AT 150 HOURS (%)	6.2	6.4	6.3	5.4	6.6	5.7
TGA PERCENT SOOT AT 175 HOURS (%)	6.3	6.4	6.3	4.6	6.6	5.6
TGA PERCENT SOOT AT 200 HOURS (%)	6.4	6.3	6.3	5.5	6.6	5.6
TGA PERCENT SOOT AT 225 HOURS (%)	7.7	7.6	7.5	6.6	7.8	6.8
TGA PERCENT SOOT AT 250 HOURS (%)	9.1	8.8	8.7	7.7	8.8	7.9
TGA PERCENT SOOT AT 275 HOURS (%)	9.1	8.7	8.7	7.7	8.7	7.9
TGA PERCENT SOOT AT 300 HOURS (%)	9.1	8.7	8.6	7.5	8.7	7.8
TOTAL BASE NUMBER NEW OIL	10.6	10.6	10.6	7.8	9.5	10.5
TOTAL BASE NUMBER AT 050 HOURS	8.6	8.6	8.7	5.4	8.7	8.5
TOTAL BASE NUMBER AT 100 HOURS	6.9	7.1	7.2	3.8	6.6	6.8
TOTAL BASE NUMBER AT 125 HOURS	.	6.7	.	3.2	5.7	.
TOTAL BASE NUMBER AT 150 HOURS	5.9	5.9	6.2	2.8	5.3	6
TOTAL BASE NUMBER AT 175 HOURS	.	.	.	.	4	.
TOTAL BASE NUMBER AT 200 HOURS	4.6	3.2	4.9	2.1	4	4.7
TOTAL BASE NUMBER AT 225 HOURS	4.3	2.5	4.2	1.9	3.5	4.3
TOTAL BASE NUMBER AT 250 HOURS	4	2.1	3.6	1.7	3	4.4

CMIR	38927	38962	38930	38960	38959	38928
LAB (CODED)	G	G	G	G	G	G
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20010129	20010321	20010410	20010428	20010518	20010126
EOT TIME	12:15	03:25	22:30	00:26	05:22	17:40
TMC OIL CODE	PC-9E	PC-9F	PC-9E	PC-9H	PC-9A	PC-9E
TOTAL BASE NUMBER AT 275 HOURS	3.4	3.2	3.2	1.8	3	3.9
TOTAL BASE NUMBER AT 300 HOURS	3.6	2.4	3.4	1.8	2.6	3.5
TAN NEW OIL	1.77	2.05	2.08	2.28	2.59	1.86
TAN AT 050 HOURS	2.53	2.96	2.55	2.9	2.67	2.4
TAN AT 100 HOURS	2.76	2.9	2.89	3.44	3.17	2.69
TAN AT 125 HOURS	.	3.12	.	2.97	3.08	.
TAN AT 150 HOURS	2.95	3.11	3.34	4.07	4.17	3.31
TAN AT 175 HOURS	.	.	.	.	3.97	.
TAN AT 200 HOURS	3.23	3.3	3.31	4.06	4.34	3.46
TAN AT 225 HOURS	3.35	3.61	4.17	3.78	3.52	3.56
TAN AT 250 HOURS	3.52	3.49	4.5	4.3	4.43	3.93
TAN AT 275 HOURS	3.6	3.65	3.41	4.38	4.74	3.37
TAN AT 300 HOURS	3.58	4.68	4.17	4.26	4.41	3.72
CU - WEAR METALS COPPER NEW OIL[<] (ppm)	0	0	0	0	0	0
CU - WEAR METALS COPPER HOURS [<] (ppm)025	1	2	2	2	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)050	1	2	2	2	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)075	2	2	2	3	3	2
CU - WEAR METALS COPPER HOURS [<] (ppm)100	3	3	3	3	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)125	3	3	3	3	4	3
CU - WEAR METALS COPPER HOURS [<] (ppm)150	3	4	3	4	6	3
CU - WEAR METALS COPPER HOURS [<] (ppm)175	4	4	4	4	11	4
CU - WEAR METALS COPPER HOURS [<] (ppm)200	5	5	4	5	15	4
CU - WEAR METALS COPPER HOURS [<] (ppm)225	5	5	4	6	19	5
CU - WEAR METALS COPPER HOURS [<] (ppm)250	6	6	5	7	21	5
CU - WEAR METALS COPPER HOURS [<] (ppm)275	6	7	7	8	20	6
CU - WEAR METALS COPPER HOURS [<] (ppm)300	6	8	8	8	29	6
FE - WEAR METALS IRON NEW OIL [<] (ppm)	2	2	2	2	2	2
FE - WEAR METALS IRON HOURS [<] (ppm)025	28	23	24	27	24	23
FE - WEAR METALS IRON HOURS [<] (ppm)050	45	41	43	44	40	39
FE - WEAR METALS IRON HOURS [<] (ppm)075	76	74	70	73	69	71
FE - WEAR METALS IRON HOURS [<] (ppm)100	106	97	89	90	89	87
FE - WEAR METALS IRON HOURS [<] (ppm)125	122	115	105	132	101	95
FE - WEAR METALS IRON HOURS [<] (ppm)150	139	124	118	148	124	118
FE - WEAR METALS IRON HOURS [<] (ppm)175	188	159	140	185	149	149
FE - WEAR METALS IRON HOURS [<] (ppm)200	226	180	151	225	166	171
FE - WEAR METALS IRON HOURS [<] (ppm)225	255	197	167	259	188	203
FE - WEAR METALS IRON HOURS [<] (ppm)250	279	208	200	281	206	226
FE - WEAR METALS IRON HOURS [<] (ppm)275	339	236	243	316	244	272
FE - WEAR METALS IRON HOURS [<] (ppm)300	359	267	263	347	305	310
PB - WEAR METALS LEAD NEW OIL [<] (ppm)	1	1	1	0	2	0
PB - WEAR METALS LEAD HOURS [<] (ppm)025	0	1	1	0	2	1
PB - WEAR METALS LEAD HOURS [<] (ppm)050	0	1	1	1	2	0
PB - WEAR METALS LEAD HOURS [<] (ppm)075	2	1	0	1	4	0
PB - WEAR METALS LEAD HOURS [<] (ppm)100	4	3	1	2	5	2
PB - WEAR METALS LEAD HOURS [<] (ppm)125	3	3	1	3	6	3
PB - WEAR METALS LEAD HOURS [<] (ppm)150	4	1	1	5	6	1
PB - WEAR METALS LEAD HOURS [<] (ppm)175	6	1	4	4	7	2
PB - WEAR METALS LEAD HOURS [<] (ppm)200	6	2	3	4	10	4
PB - WEAR METALS LEAD HOURS [<] (ppm)225	7	2	2	5	10	4
PB - WEAR METALS LEAD HOURS [<] (ppm)250	7	3	5	6	10	3
PB - WEAR METALS LEAD HOURS [<] (ppm)275	7	4	4	6	16	5
PB - WEAR METALS LEAD HOURS [<] (ppm)300	10	6	6	6	22	4
AL- WEAR METALS ALUMINUM	1	1	1	2	1	1

CMIR	38927	38962	38930	38960	38959	38928
LAB (CODED)	G	G	G	G	G	G
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20010129	20010321	20010410	20010428	20010518	20010126
EOT TIME	12:15	03:25	22:30	00:26	05:22	17:40
TMC OIL CODE	PC-9E	PC-9F	PC-9E	PC-9H	PC-9A	PC-9E
AL- WEAR METALS ALUMINUM at hour 25	1	1	0	2	2	1
AL- WEAR METALS ALUMINUM at hour 50	2	1	1	2	2	1
AL- WEAR METALS ALUMINUM at hour 75	2	2	2	2	2	2
AL- WEAR METALS ALUMINUM at hour 100	3	2	2	3	2	2
AL- WEAR METALS ALUMINUM at hour 125	3	2	2	3	2	2
AL- WEAR METALS ALUMINUM at hour 150	3	2	2	2	2	2
AL- WEAR METALS ALUMINUM at hour 175	4	3	2	3	3	2
AL- WEAR METALS ALUMINUM at hour 200	4	3	2	3	3	2
AL- WEAR METALS ALUMINUM at hour 225	4	3	2	3	3	2
AL- WEAR METALS ALUMINUM at hour 250	4	2	2	3	3	2
AL- WEAR METALS ALUMINUM at hour 275	4	2	2	4	3	2
AL- WEAR METALS ALUMINUM at hour 300	3	3	2	4	3	3
CR- WEAR METALS CHROMIUM NEW OIL	0	0	0	0	0	0
CR- WEAR METALS CHROMIUM at hour 25	4	3	3	4	4	2
CR- WEAR METALS CHROMIUM at hour 50	7	8	7	6	13	6
CR- WEAR METALS CHROMIUM at hour 75	11	14	12	11	17	11
CR- WEAR METALS CHROMIUM at hour 100	15	18	15	14	18	14
CR- WEAR METALS CHROMIUM at hour 125	18	21	18	22	20	15
CR- WEAR METALS CHROMIUM at hour 150	20	22	20	23	22	19
CR- WEAR METALS CHROMIUM at hour 175	23	25	23	26	23	21
CR- WEAR METALS CHROMIUM at hour 200	25	26	25	30	23	22
CR- WEAR METALS CHROMIUM at hour 225	26	27	26	31	24	25
CR- WEAR METALS CHROMIUM at hour 250	27	26	29	30	24	25
CR- WEAR METALS CHROMIUM at hour 275	29	28	31	31	25	27
CR- WEAR METALS CHROMIUM at hour 300	29	30	32	32	28	29
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 1	73	295.4	123.8	180.6	277.1	172.7
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 2	88.5	322.8	121.4	201.2	188.1	117.1
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 3	207.3	23.7	166.2	176.8	153.1	179.6
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 4	240.2	146.5	48.2	172.3	195.6	78.3
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 5	149.8	145	12	172.4	347.7	71.4
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 6	204.4	32	108.1	179.2	315.5	214.9
AVG INJECTOR ADJUSTING SCREW WEIGHT LOSS, mg	160.5	160.9	96.6	180.4	246.2	139
TOP RING WEIGHT LOSS, CYL 1 (mg)	98.4	181.5	122	176.9	151.5	153.4
TOP RING WEIGHT LOSS, CYL 2 (mg)	53.5	175.5	124.1	202.5	161.8	100.7
TOP RING WEIGHT LOSS, CYL 3 (mg)	90.3	219.2	136.2	107	150.5	111.7
TOP RING WEIGHT LOSS, CYL 4 (mg)	95.8	200.2	137.4	110.1	159.4	162.2
TOP RING WEIGHT LOSS, CYL 5 (mg)	133.9	138.2	162.1	212.6	208.9	154.1
TOP RING WEIGHT LOSS, CYL 6 (mg)	152.9	267	207.4	197.1	224.9	180.3
AVG. TOP RING WEIGHT LOSS (mg)	104.1	196.9	148.2	167.7	176.2	143.7
BEARING WEIGHT LOSS, UPPER, CYL 1	33.1	15.8	28.9	26.8	276.2	48.8
BEARING WEIGHT LOSS, LOWER, CYL 1	14.1	11.9	9.5	17.2	11.2	19.3
BEARING WEIGHT LOSS, UPPER, CYL 2	20.1	25.9	33.5	32.1	312.1	51.4
BEARING WEIGHT LOSS, LOWER, CYL 2	24.7	10.7	11	17.6	22.9	22.4
BEARING WEIGHT LOSS, UPPER, CYL 3	30.1	16.9	57.3	31	56.8	39.7
BEARING WEIGHT LOSS, LOWER, CYL 3	24.4	16.9	4.8	20.6	10	23.5
BEARING WEIGHT LOSS, UPPER, CYL 4	82	24.8	34	39.2	50	26.8
BEARING WEIGHT LOSS, LOWER, CYL 4	18.9	16.3	10.4	21	12.6	17.5
BEARING WEIGHT LOSS, UPPER, CYL 5	40.9	56.3	34.3	34.4	28.4	21.8
BEARING WEIGHT LOSS, LOWER, CYL 5	9.2	12.8	11.9	18.3	15.7	15.9
BEARING WEIGHT LOSS, UPPER, CYL 6	61.2	71.6	16.6	31.3	26.5	32.6
BEARING WEIGHT LOSS, LOWER, CYL 6	11.3	11.7	11.1	15.4	15.2	17.2
AVG. BEARING WEIGHT LOSS (mg)	26.2	24.3	21.9	25.4	69.8	28.1
PISTON 1 UNWEIGHTED TOTAL DEMERITS	150.81	133.67	121.94	125.21	146.83	122.7

CMIR	38927	38962	38930	38960	38959	38928
LAB (CODED)	G	G	G	G	G	G
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20010129	20010321	20010410	20010428	20010518	20010126
EOT TIME	12:15	03:25	22:30	00:26	05:22	17:40
TMC OIL CODE	PC-9E	PC-9F	PC-9E	PC-9H	PC-9A	PC-9E
PISTON 2 UNWEIGHTED TOTAL DEMERITS	161.08	129.83	123.25	123.36	150.84	123.325
PISTON 3 UNWEIGHTED TOTAL DEMERITS	151.33	111.17	121.34	167.65	151.11	134.99
PISTON 4 UNWEIGHTED TOTAL DEMERITS	175.07	121.94	114.96	149.65	157.73	107.57
PISTON 5 UNWEIGHTED TOTAL DEMERITS	115.02	130.52	118.66	148.05	142.39	138.27
PISTON 6 UNWEIGHTED TOTAL DEMERITS	140.48	117.37	122.65	149.97	142.57	120.1
AVG. UNDER CROWN UNWEIGHTED DEMERITS	5.35	4.2	3.875	4.175	7.125	7.071
AVG. OIL COOLING GALLERY UNWEIGHTED DEMERITS	3.603	2.377	1.64	4.425	9.2	7.223
AVG. TOTAL UNWEIGHTED DEMERITS	148.965	124.083	120.467	143.982	148.578	124.492
TGC PISTON # 1 (DEMERITS)	44.5	47.5	40.5	44.25	43	39
TGC PISTON # 2 (DEMERITS)	56	32	41.5	30	30.25	33.5
TGC PISTON # 3 (DEMERITS)	52.5	30.5	27.75	62.75	37.25	43.25
TGC PISTON # 4 (DEMERITS)	74	28.25	40.75	37	42.75	26.25
TGC PISTON # 5 (DEMERITS)	26.25	42	35	55.25	30	52.5
TGC PISTON # 6 (DEMERITS)	53.5	39.5	36.25	48	43	35.25
AVG. TGC (DEMERITS)	51.13	36.63	36.96	46.21	37.71	38.29
TLC PISTON #1 (DEMERITS)	24.5	24.5	22	23.75	22.5	18.25
TLC PISTON #2 (DEMERITS)	25	24	22.5	22.5	22.75	18
TLC PISTON #3 (DEMERITS)	25.75	23.75	23.25	23.75	22.75	13.75
TLC PISTON #4 (DEMERITS)	25.5	23.25	26.25	25.75	23	17.25
TLC PISTON #5 (DEMERITS)	24.5	24.25	21.25	23.5	22.5	19.25
TLC PISTON #6 (DEMERITS)	25	24	22.5	24.5	23.75	18
AVG. TLC (DEMERITS)	25.04	23.96	22.96	23.96	22.88	17.42
AVERAGE WEAR STEP CYL 1	8.6	9	7.8	11	8.2	9.2
AVERAGE WEAR STEP CYL 2	7.8	9.5	9.6	7.6	6.5	8.9
AVERAGE WEAR STEP CYL 3	8.1	9.3	8.4	10.4	6.4	9
AVERAGE WEAR STEP CYL 4	7.3	8.8	8.6	9.6	7.2	8.9
AVERAGE WEAR STEP CYL 5	8.9	11.1	10.2	9.2	7.6	8.7
AVERAGE WEAR STEP CYL 6	8.7	10.1	9.9	10.1	7.9	9.4
CYLINDER LINER WEAR AVERAGE AS MEASURED	8.2	9.6	9.1	9.6	7.3	9
NUMBER OF DOWNTIME OCCURRENCES	17	12	8	9	5	7
VALIDITY	PO	PO	PO	PO	PO	PO
COMMENT 1	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX	MATRIX
COMMENT 2	TEST	TEST	TEST	TEST	TEST	TEST
COMMENT 3						
COMMENT 4						
AVG. ENGINE SPEED AVERAGE OF STAGES A (r/min)	1799	1799	1800	1800	1800	1800
AVG. ENGINE SPEED AVERAGE OF STAGES B (r/min)	1600	1599	1600	1600	1600	1600
AVG. FUEL FLOW OF STAGES A (kg/h)	58	57.9	58	58	58	58
AVG. FUEL FLOW OF STAGES B (kg/h)	64.6	64.3	64.4	64.4	64.3	64.4
AVG. ENGINE COOLANT OUT TEMP (DEG C)	65.7	65.5	65.5	65.5	65.5	65.5
AVG. FUEL IN TEMP (DEG C)	40	39.9	40	40	40	50
AVG. OIL GALLERY TEMP (DEG C)	115.1	115	115	115	115	115.1
AVG. INTAKE MANIFOLD TEMP STAGE A (DEG C)	79.7	80	80	79.9	80	80
AVG. INTAKE MANIFOLD TEMP STAGE B (DEG C)	65.8	65.5	65.5	65.5	65.5	65.5
AVG. EXHAUST PRESSURE (kPa)	107	107	107	107	107	107
AVG. TORQUE AVERAGE OF STAGES A (N-m)	1281.5	1287.6	1293.8	1272.1	1285.6	1312
AVG. TORQUE AVERAGE OF STAGES B (N-m)	1911	1896.1	1908.8	1912.6	1904.5	1934
AVG. POWER AVERAGE OF STAGES A (kW)	241.5	242.6	243.9	239.8	242.3	247.3
AVG POWER AVERAGE OF STAGES B (kW)	320.2	317.7	319.9	320.4	319.1	324.1
EGR RATE STAGES A (%)	13.6	13	12.3	13	12.6	14.1
EGR RATE STAGES B (%)	9.6	9.8	8.5	9	9.1	9.8
AVG. BLOWBY (L/min)	137.7	129	139.5	133.9	132.4	150.3
AVG. ENGINE COOLANT IN TEMP (DEG C)	58.9	59.3	59.2	59.5	59	59.8

CMIR	38927	38962	38930	38960	38959	38928
LAB (CODED)	G	G	G	G	G	G
STAND (CODED)	1	1	1	1	1	2
EOT DATE	20010129	20010321	20010410	20010428	20010518	20010126
EOT TIME	12:15	03:25	22:30	00:26	05:22	17:40
TMC OIL CODE	PC-9E	PC-9F	PC-9E	PC-9H	PC-9A	PC-9E
AVG. INTAKE AIR TEMP (DEG C)	30	30	30	30	29.9	30
AVG. PRE-TURBINE FRONT TEMP (DEG C)	583.2	618.6	598.5	600.8	601.6	600.4
AVG. PRE-TURBINE REAR TEMP (DEG C)	617	616.8	612.4	602.9	622.4	597.2
AVG. TAILPIPE TEMP (DEG C)	431.7	449.3	435.3	430.8	437.5	431.6
AVG. FUEL PRESSURE (kPa)	1115.4	1102	1068.4	1101	1068.2	1082.4
AVG. OIL GALLERY PRESSURE (kPa)	260	263.9	263.9	256.9	262.8	252
AVG. COOLANT PRESSURE (kPa)	102.9	103	103.2	103.4	103.1	102.8
AVG INTAKE MANIFOLD PRESSURE (kPa)	346.2	331.6	340	333.8	344.6	347.1
AVG. CRANKCASE PRESSURE (kPa)	3.6	3.6	3.4	2.9	2.9	2.6
AVG. INTAKE AIR PRESSURE (kPa)	95.57	95.76	95.11	96	95.92	97.31
SOT ORIFICE SIZE	1.074	0.940	0.94	0.94	0.980	1.063
ORIFICE CHANGE AT XXX HOURS	94:24	NA	230:00	NA	NA	NA
2ND ORIFICE SIZE	1.063	NA	0.980	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	159:36	NA	NA	NA	NA	NA
3RD ORIFICE SIZE	1.031	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
4TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
5TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
ORIFICE CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
6TH ORIFICE SIZE	NA	NA	NA	NA	NA	NA
AVG. INTAKE CO2, STAGE A	1.053	1.032	0.972	1.01	0.998	1.065
AVG. EXHAUST CO2, STAGE A	8.105	8.237	8.155	8.04	8.15	7.818
AVG. INTAKE CO2, STAGE B	0.875	0.905	0.775	0.79	0.82	0.853
AVG. EXHAUST CO2, STAGE B	9.378	9.668	9.435	9.11	9.37	8.990
SOT TIMING	16.1	16.1	16.1	16.1	16.1	16.1
TIMING CHANGE AT XXX HOURS	94:00	62:54	69:06	72:00	86:00	NA
2ND TIMING SETTING	17.1	17.1	17.3	17.1	17.3	NA
TIMING CHANGE AT XXX HOURS	NA	NA	NA	136:36	NA	NA
3RD TIMING SETTING	NA	NA	NA	16.1	NA	NA
TIMING CHANGE AT XXX HOURS	NA	NA	NA	NA	NA	NA
4TH TIMING SETTING	NA	NA	NA	NA	NA	NA
TOP RING GAP INCREASE, CYL 1 (INCHES)	0.000	0.000	0.000	0.001	0.002	0.000
TOP RING GAP INCREASE, CYL 2 (INCHES)	0.000	0.000	0.000	0.001	0.002	0.001
TOP RING GAP INCREASE, CYL 3 (INCHES)	0.000	0.001	0.001	0.000	0.002	0.000
TOP RING GAP INCREASE, CYL 4 (INCHES)	0.000	0.000	0.000	0.000	0.002	0.000
TOP RING GAP INCREASE, CYL 5 (INCHES)	0.000	0.001	0.000	0.001	0.002	0.000
TOP RING GAP INCREASE, CYL 6 (INCHES)	0.000	0.001	0.001	0.001	0.002	0.001
AVERAGE TOP RING GAP INCREASE	0.000	0.0005	0.00033	0.00067	0.002	0.00033

CMIR	38929	38958	38961
LAB (CODED)	G	G	G
STAND (CODED)	2	2	2
EOT DATE	20010311	20010402	20010512
EOT TIME	19:27	22:17	13:59
TMC OIL CODE	PC-9E	PC-9C	PC-9G
TOTAL OIL CONSUMPTION (kg)	12.03	0	7.24
FINAL ORIG UNIT ADJ AVG CROSSHEAD MASS LOSS (mg)	22.6	.	19.7
FINAL ORIG UNIT FILTER PLUGGING DELTA P (kPa)	55	706	160
FINAL ORIG UNIT AVG SLUDGE RATING (MERITS)	8.8	.	7.4
CROSSHEAD MASS LOSS - LOCATION 1I (mg)	20.7	3	5.6
CROSSHEAD MASS LOSS - LOCATION 2I (mg)	14	4.9	17.7
CROSSHEAD MASS LOSS - LOCATION 3I (mg)	10.5	2.8	4.8
CROSSHEAD MASS LOSS - LOCATION 4I (mg)	11.9	8.1	13
CROSSHEAD MASS LOSS - LOCATION 5I (mg)	29.8	4.1	5.5
CROSSHEAD MASS LOSS - LOCATION 6I (mg)	21.2	5.9	7.3
CROSSHEAD MASS LOSS - LOCATION 1E (mg)	9.2	4.4	30.2
CROSSHEAD MASS LOSS - LOCATION 2E (mg)	43.7	19.1	24.2
CROSSHEAD MASS LOSS - LOCATION 3E (mg)	45.8	5	37.5
CROSSHEAD MASS LOSS - LOCATION 4E (mg)	23.7	20.5	34.3
CROSSHEAD MASS LOSS - LOCATION 5E (mg)	18.6	7.9	24.9
CROSSHEAD MASS LOSS - LOCATION 6E (mg)	22.2	7	31.6
300 H SLUDGE MERIT RATING VALVE COVER (MERITS)	8.6	8.49	6.99
300 H SLUDGE MERIT RATING OIL PAN (MERITS)	8.98	8.45	7.86
VISCOSITY AT 100 DEG C , NEW OIL (cSt)	15.32	.	15.21
VISCOSITY AT 100 DEG C , AT 025 HOURS (cSt)	15.98	15.81	15.21
VISCOSITY AT 100 DEG C , AT 050 HOURS (cSt)	16.71	17.54	16.05
VISCOSITY AT 100 DEG C , AT 075 HOURS (cSt)	15.66	17.36	15.58
VISCOSITY AT 100 DEG C , AT 100 HOURS (cSt)	15.46	16.82	15.38
VISCOSITY AT 100 DEG C , AT 125 HOURS (cSt)	17.75	20.8	18.72
VISCOSITY AT 100 DEG C , AT 150 HOURS (cSt)	21.9	27.28	29.38
VISCOSITY AT 100 DEG C , AT 175 HOURS (cSt)	18.08	21.96	21.29
VISCOSITY AT 100 DEG C , AT 200 HOURS (cSt)	17.64	20.8	21.08
VISCOSITY AT 100 DEG C , AT 225 HOURS (cSt)	21.56	30.38	54.79
VISCOSITY AT 100 DEG C , AT 250 HOURS (cSt)	27.8	.	169.8
VISCOSITY AT 100 DEG C , AT 275 HOURS (cSt)	20.79	.	47.59
VISCOSITY AT 100 DEG C , AT 300 HOURS (cSt)	19.71	.	32.83
TGA PERCENT SOOT NEW OIL (%)	0	.	0.1
TGA PERCENT SOOT AT 025 HOURS (%)	1.8	1.8	2.1
TGA PERCENT SOOT AT 050 HOURS (%)	3.6	.	4
TGA PERCENT SOOT AT 075 HOURS (%)	3.8	3.6	4.1
TGA PERCENT SOOT AT 100 HOURS (%)	3.9	3.7	4.2
TGA PERCENT SOOT AT 125 HOURS (%)	5.5	4.9	5.8
TGA PERCENT SOOT AT 150 HOURS (%)	6.8	6	7.1
TGA PERCENT SOOT AT 175 HOURS (%)	6.7	6	7.1
TGA PERCENT SOOT AT 200 HOURS (%)	6.8	6	7.1
TGA PERCENT SOOT AT 225 HOURS (%)	7.9	7.4	8
TGA PERCENT SOOT AT 250 HOURS (%)	9	0	8.8
TGA PERCENT SOOT AT 275 HOURS (%)	8.9	.	8.7
TGA PERCENT SOOT AT 300 HOURS (%)	8.8	.	8.7
TOTAL BASE NUMBER NEW OIL	10.6	.	7.8
TOTAL BASE NUMBER AT 050 HOURS	8.5	8.4	5.7
TOTAL BASE NUMBER AT 100 HOURS	6.7	6.8	3.5
TOTAL BASE NUMBER AT 125 HOURS	5.8	6.3	2.9
TOTAL BASE NUMBER AT 150 HOURS	4.9	5.7	2.9
TOTAL BASE NUMBER AT 175 HOURS	4.6	4.9	2.8
TOTAL BASE NUMBER AT 200 HOURS	4.5	4.2	2.2
TOTAL BASE NUMBER AT 225 HOURS	3.8	3.9	2
TOTAL BASE NUMBER AT 250 HOURS	3.7	.	1.9

CMIR	38929	38958	38961
LAB (CODED)	G	G	G
STAND (CODED)	2	2	2
EOT DATE	20010311	20010402	20010512
EOT TIME	19:27	22:17	13:59
TMC OIL CODE	PC-9E	PC-9C	PC-9G
TOTAL BASE NUMBER AT 275 HOURS	3.4	.	1.8
TOTAL BASE NUMBER AT 300 HOURS	3.6	.	1.7
TAN NEW OIL	1.86	.	2.19
TAN AT 050 HOURS	2.57	2.79	2.69
TAN AT 100 HOURS	3.2	2.86	2.68
TAN AT 125 HOURS	3.04	3.09	2.89
TAN AT 150 HOURS	3.03	3.4	2.9
TAN AT 175 HOURS	3.12	3.27	3.87
TAN AT 200 HOURS	3.41	3.37	3.82
TAN AT 225 HOURS	5.12	3.45	3.52
TAN AT 250 HOURS	3.37	.	3.96
TAN AT 275 HOURS	3.54	.	4.13
TAN AT 300 HOURS	5.03	.	4.2
CU - WEAR METALS COPPER NEW OIL[<] (ppm)	0		0
CU - WEAR METALS COPPER HOURS [<] (ppm)025	1	1	3
CU - WEAR METALS COPPER HOURS [<] (ppm)050	1	2	2
CU - WEAR METALS COPPER HOURS [<] (ppm)075	3	2	3
CU - WEAR METALS COPPER HOURS [<] (ppm)100	3	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)125	4	3	3
CU - WEAR METALS COPPER HOURS [<] (ppm)150	5	4	3
CU - WEAR METALS COPPER HOURS [<] (ppm)175	7	5	4
CU - WEAR METALS COPPER HOURS [<] (ppm)200	9	7	5
CU - WEAR METALS COPPER HOURS [<] (ppm)225	10	8	6
CU - WEAR METALS COPPER HOURS [<] (ppm)250	10		7
CU - WEAR METALS COPPER HOURS [<] (ppm)275	11		8
CU - WEAR METALS COPPER HOURS [<] (ppm)300	11		9
FE - WEAR METALS IRON NEW OIL [<] (ppm)	2		2
FE - WEAR METALS IRON HOURS [<] (ppm)025	27	20	60
FE - WEAR METALS IRON HOURS [<] (ppm)050	54	39	51
FE - WEAR METALS IRON HOURS [<] (ppm)075	91	64	75
FE - WEAR METALS IRON HOURS [<] (ppm)100	115	80	100
FE - WEAR METALS IRON HOURS [<] (ppm)125	139	95	114
FE - WEAR METALS IRON HOURS [<] (ppm)150	153	103	134
FE - WEAR METALS IRON HOURS [<] (ppm)175	185	126	163
FE - WEAR METALS IRON HOURS [<] (ppm)200	227	142	195
FE - WEAR METALS IRON HOURS [<] (ppm)225	264	153	215
FE - WEAR METALS IRON HOURS [<] (ppm)250	284		240
FE - WEAR METALS IRON HOURS [<] (ppm)275	323		294
FE - WEAR METALS IRON HOURS [<] (ppm)300	345		324
PB - WEAR METALS LEAD NEW OIL [<] (ppm)	0		1
PB - WEAR METALS LEAD HOURS [<] (ppm)025	0	1	4
PB - WEAR METALS LEAD HOURS [<] (ppm)050	3	1	2
PB - WEAR METALS LEAD HOURS [<] (ppm)075	3	2	3
PB - WEAR METALS LEAD HOURS [<] (ppm)100	5	1	3
PB - WEAR METALS LEAD HOURS [<] (ppm)125	4	3	5
PB - WEAR METALS LEAD HOURS [<] (ppm)150	4	3	5
PB - WEAR METALS LEAD HOURS [<] (ppm)175	9	5	5
PB - WEAR METALS LEAD HOURS [<] (ppm)200	7	3	5
PB - WEAR METALS LEAD HOURS [<] (ppm)225	8	5	5
PB - WEAR METALS LEAD HOURS [<] (ppm)250	8		7
PB - WEAR METALS LEAD HOURS [<] (ppm)275	10		7
PB - WEAR METALS LEAD HOURS [<] (ppm)300	13		8
AL- WEAR METALS ALUMINUM	1	1	2

CMIR	38929	38958	38961
LAB (CODED)	G	G	G
STAND (CODED)	2	2	2
EOT DATE	20010311	20010402	20010512
EOT TIME	19:27	22:17	13:59
TMC OIL CODE	PC-9E	PC-9C	PC-9G
AL- WEAR METALS ALUMINUM at hour 25	1	2	5
AL- WEAR METALS ALUMINUM at hour 50	1	2	2
AL- WEAR METALS ALUMINUM at hour 75	2	2	2
AL- WEAR METALS ALUMINUM at hour 100	3	2	3
AL- WEAR METALS ALUMINUM at hour 125	2	2	3
AL- WEAR METALS ALUMINUM at hour 150	2	2	3
AL- WEAR METALS ALUMINUM at hour 175	2	3	3
AL- WEAR METALS ALUMINUM at hour 200	3	3	3
AL- WEAR METALS ALUMINUM at hour 225	3	3	3
AL- WEAR METALS ALUMINUM at hour 250	3	3	3
AL- WEAR METALS ALUMINUM at hour 275	3		4
AL- WEAR METALS ALUMINUM at hour 300	3		4
CR- WEAR METALS CHROMIUM NEW OIL	0	0	0
CR- WEAR METALS CHROMIUM at hour 25	6	4	5
CR- WEAR METALS CHROMIUM at hour 50	14	8	6
CR- WEAR METALS CHROMIUM at hour 75	21	12	10
CR- WEAR METALS CHROMIUM at hour 100	24	15	15
CR- WEAR METALS CHROMIUM at hour 125	28	17	17
CR- WEAR METALS CHROMIUM at hour 150	27	17	18
CR- WEAR METALS CHROMIUM at hour 175	29	20	21
CR- WEAR METALS CHROMIUM at hour 200	31	20	24
CR- WEAR METALS CHROMIUM at hour 225	33	20	25
CR- WEAR METALS CHROMIUM at hour 250	33	20	25
CR- WEAR METALS CHROMIUM at hour 275	35		27
CR- WEAR METALS CHROMIUM at hour 300	35		27
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 1	295.5	.	20.9
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 2	412.4	.	185.8
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 3	376.5	.	176.7
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 4	449	.	162.8
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 5	430.8	.	138.2
INJECTOR ADJUSTING SCREW WEIGHT LOSS, 6	460	.	20
AVG INJECTOR ADJUSTING SCREW WEIGHT LOSS, mg	404	.	117.4
TOP RING WEIGHT LOSS, CYL 1 (mg)	128.2	70.2	161.5
TOP RING WEIGHT LOSS, CYL 2 (mg)	121.1	146.8	169.8
TOP RING WEIGHT LOSS, CYL 3 (mg)	112.3	130.8	161.3
TOP RING WEIGHT LOSS, CYL 4 (mg)	115.5	80	122.3
TOP RING WEIGHT LOSS, CYL 5 (mg)	147.2	130.6	140.4
TOP RING WEIGHT LOSS, CYL 6 (mg)	152.5	119.7	227.5
AVG. TOP RING WEIGHT LOSS (mg)	129.5	113	163.8
BEARING WEIGHT LOSS, UPPER, CYL 1	20.5	20.7	17.8
BEARING WEIGHT LOSS, LOWER, CYL 1	16	3.5	17.4
BEARING WEIGHT LOSS, UPPER, CYL 2	60.7	92.4	19.3
BEARING WEIGHT LOSS, LOWER, CYL 2	17	5.2	11.9
BEARING WEIGHT LOSS, UPPER, CYL 3	51.5	13.4	15.1
BEARING WEIGHT LOSS, LOWER, CYL 3	10.1	2.8	12.5
BEARING WEIGHT LOSS, UPPER, CYL 4	188	17.4	32.2
BEARING WEIGHT LOSS, LOWER, CYL 4	9.2	3.2	13.5
BEARING WEIGHT LOSS, UPPER, CYL 5	179.7	13.5	20.9
BEARING WEIGHT LOSS, LOWER, CYL 5	14.9	3.4	11.9
BEARING WEIGHT LOSS, UPPER, CYL 6	171.6	17.9	19.6
BEARING WEIGHT LOSS, LOWER, CYL 6	12.1	2.5	11.4
AVG. BEARING WEIGHT LOSS (mg)	62.6	16.3	17
PISTON 1 UNWEIGHTED TOTAL DEMERITS	134.68	156.28	122.5

CMIR	38929	38958	38961
LAB (CODED)	G	G	G
STAND (CODED)	2	2	2
EOT DATE	20010311	20010402	20010512
EOT TIME	19:27	22:17	13:59
TMC OIL CODE	PC-9E	PC-9C	PC-9G
PISTON 2 UNWEIGHTED TOTAL DEMERITS	155.3	137.62	129.66
PISTON 3 UNWEIGHTED TOTAL DEMERITS	136.2	160.09	144.56
PISTON 4 UNWEIGHTED TOTAL DEMERITS	141.67	134.31	158
PISTON 5 UNWEIGHTED TOTAL DEMERITS	151.01	124.38	127.86
PISTON 6 UNWEIGHTED TOTAL DEMERITS	142.61	148.68	135.12
AVG. UNDER CROWN UNWEIGHTED DEMERITS	2.75	2.125	4.475
AVG. OIL COOLING GALLERY UNWEIGHTED DEMERITS	2.95	1.767	3.13
AVG. TOTAL UNWEIGHTED DEMERITS	143.578	143.56	136.283
TGC PISTON # 1 (DEMERITS)	51.25	75	30.75
TGC PISTON # 2 (DEMERITS)	60	47.75	25.75
TGC PISTON # 3 (DEMERITS)	31.25	58.25	25.75
TGC PISTON # 4 (DEMERITS)	45	44	45.25
TGC PISTON # 5 (DEMERITS)	51.5	39.5	54.75
TGC PISTON # 6 (DEMERITS)	45	70.5	27
AVG. TGC (DEMERITS)	47.33	55.83	34.88
TLC PISTON #1 (DEMERITS)	25	20	22
TLC PISTON #2 (DEMERITS)	25	22.5	24
TLC PISTON #3 (DEMERITS)	25	23	21.25
TLC PISTON #4 (DEMERITS)	25	20	22.5
TLC PISTON #5 (DEMERITS)	26.5	23	23.75
TLC PISTON #6 (DEMERITS)	25	22	20
AVG. TLC (DEMERITS)	25.25	21.75	22.25
AVERAGE WEAR STEP CYL 1	8.5	.	9.7
AVERAGE WEAR STEP CYL 2	8.1	.	8.9
AVERAGE WEAR STEP CYL 3	8.5	.	8.1
AVERAGE WEAR STEP CYL 4	7.6	.	9.2
AVERAGE WEAR STEP CYL 5	7.2	.	8.6
AVERAGE WEAR STEP CYL 6	8.1	.	9.9
CYLINDER LINER WEAR AVERAGE AS MEASURED	8	.	9.1
NUMBER OF DOWNTIME OCCURRENCES	15	12	10
VALIDITY	PO	XO	PO
COMMENT 1	MATRIX	MATRIX	MATRIX
COMMENT 2	TEST	TEST	TEST
COMMENT 3		LOGALPR	
COMMENT 4		TERMNATE	
AVG. ENGINE SPEED AVERAGE OF STAGES A (r/min)	1800	.	1800
AVG. ENGINE SPEED AVERAGE OF STAGES B (r/min)	1600	.	1600
AVG. FUEL FLOW OF STAGES A (kg/h)	58	.	58
AVG. FUEL FLOW OF STAGES B (kg/h)	64.3	.	64.4
AVG. ENGINE COOLANT OUT TEMP (DEG C)	65.5	65.5	65.5
AVG. FUEL IN TEMP (DEG C)	39.9	39.8	40.1
AVG. OIL GALLERY TEMP (DEG C)	114.9	115	115
AVG. INTAKE MANIFOLD TEMP STAGE A (DEG C)	80	.	80
AVG. INTAKE MANIFOLD TEMP STAGE B (DEG C)	65.7	.	65.5
AVG. EXHAUST PRESSURE (kPa)	107	107	107
AVG. TORQUE AVERAGE OF STAGES A (N-m)	1307.3	.	1350.7
AVG. TORQUE AVERAGE OF STAGES B (N-m)	1943.2	.	1922.7
AVG. POWER AVERAGE OF STAGES A (kW)	246.4	.	254.6
AVG POWER AVERAGE OF STAGES B (kW)	325.9	.	322.1
EGR RATE STAGES A (%)	13.2	.	13.8
EGR RATE STAGES B (%)	8.9	.	9.6
AVG. BLOWBY (L/min)	175.6	136	130
AVG. ENGINE COOLANT IN TEMP (DEG C)	59.7	59.4	59.3

CMIR	38929	38958	38961
LAB (CODED)	G	G	G
STAND (CODED)	2	2	2
EOT DATE	20010311	20010402	20010512
EOT TIME	19:27	22:17	13:59
TMC OIL CODE	PC-9E	PC-9C	PC-9G
AVG. INTAKE AIR TEMP (DEG C)	30.1	29.9	30.1
AVG. PRE-TURBINE FRONT TEMP (DEG C)	599.2	603.3	610.2
AVG. PRE-TURBINE REAR TEMP (DEG C)	606.3	601.3	622.8
AVG. TAILPIPE TEMP (DEG C)	446	460.5	444.2
AVG. FUEL PRESSURE (kPa)	1127.9	1072.6	1071.7
AVG. OIL GALLERY PRESSURE (kPa)	237.7	245.8	236
AVG. COOLANT PRESSURE (kPa)	103.1	103	102.9
AVG INTAKE MANIFOLD PRESSURE (kPa)	344.7	341.2	331.9
AVG. CRANKCASE PRESSURE (kPa)	2.2	1.9	1.3
AVG. INTAKE AIR PRESSURE (kPa)	96.68	96.65	96.83
SOT ORIFICE SIZE	1.035	0.946	1.035
ORIFICE CHANGE AT XXX HOURS	BREAKIN	60:00	132:18
2ND ORIFICE SIZE	1.019	0.920	0.900
ORIFICE CHANGE AT XXX HOURS	67:18	107:00	NA
3RD ORIFICE SIZE	1.065	0.900	NA
ORIFICE CHANGE AT XXX HOURS	NA	153:42	NA
4TH ORIFICE SIZE	NA	0.880	NA
ORIFICE CHANGE AT XXX HOURS	NA	173:42	NA
5TH ORIFICE SIZE	NA	0.860	NA
ORIFICE CHANGE AT XXX HOURS	NA	193:24	NA
6TH ORIFICE SIZE	NA	0.830	NA
AVG. INTAKE CO2, STAGE A	1.008	1.244	1.137
AVG. EXHAUST CO2, STAGE A	7.863	8.226	8.565
AVG. INTAKE CO2, STAGE B	0.775	0.888	0.868
AVG. EXHAUST CO2, STAGE B	9.000	9.32	9.457
SOT TIMING	16.1	16.1	16.1
TIMING CHANGE AT XXX HOURS	94:36	107:00	90:00
2ND TIMING SETTING	17.1	17.1	17.5
TIMING CHANGE AT XXX HOURS	NA	NA	196:24
3RD TIMING SETTING	NA	NA	19.0
TIMING CHANGE AT XXX HOURS	NA	NA	NA
4TH TIMING SETTING	NA	NA	NA
TOP RING GAP INCREASE, CYL 1 (INCHES)	0.002	0.002	0.001
TOP RING GAP INCREASE, CYL 2 (INCHES)	0.001	0.002	0.001
TOP RING GAP INCREASE, CYL 3 (INCHES)	0.002	0.002	0.001
TOP RING GAP INCREASE, CYL 4 (INCHES)	0.001	0.002	0.001
TOP RING GAP INCREASE, CYL 5 (INCHES)	0.001	0.001	0.002
TOP RING GAP INCREASE, CYL 6 (INCHES)	0.001	0.003	0.001
AVERAGE TOP RING GAP INCREASE	0.00133	0.002	0.001166667