

Details of YAMS Sample Reports

Attached are samples of some of the available graph and report printouts from the Yellow Activity Monitoring System software. Note that all graphs are displayed on the screen, and may be printed, in colour.

- **Tachograph-Style Chart:** A traditional style of “vibrecorder” or tachograph chart, showing a single day’s activity for a selected vehicle. *This example shows a cyclic work pattern and excessive idling at 06h45 and after 17h00.*
- **Daily Activity Chart:** A linear version of the above chart, including the minute-by-minute settings of the dial switch from a VR081R Activity Recorder. This chart is “zoomable” on-screen. *Note the recording of a breakdown (“B/Down”) period.*
- **Progress Chart (Daily Totals):** Up to three from a list of various daily totals may be bar-graphed, over a date range. A user-moveable line may be used to locate and indicate trends and anomalies. *Note the occurrence of overtime work on 27th and 28th July 2000.*
- **Progress Chart (Accumulative Totals):** Up to three from a list of various daily totals may be graphed on an accumulating line graph, over a date range. A user-movable line may be used to locate and indicate trends and anomalies. *In this example the software was requested to “best-fit” the user line to the total working hours line. Data after 20 November 2000 has not yet been collected, so the user line shows predicted vehicle behaviour to the end of December 2000.*
- **Single Vehicle Summary Report (Standard):** A tabular report showing some important daily figures for a selected vehicle, over a given date range. *Note the relatively high average overtime work.*
- **Single Vehicle Event Report (Work):** A tabular report showing work sessions over a date range for a selected vehicle. This report may also show standby sessions and excessive idling (next report). *Note the late starting time on 26 May 1998 and the early shutdown on Friday afternoon.*
- **Single Vehicle Event Report (Excessive Idling):** A report similar to the one above, but here showing all idling sessions that exceed 10 minutes, for a selected vehicle.
- **Multiple Vehicle Activity Report (Standard):** A tabular report showing some important daily figures for a selected group of vehicles, over a given date range. The report may be generated in a summary form, which shows only totals and averages for each day for all included vehicles.
- **Multiple Vehicle Servicing Report (Summary):** A report that uses the specified service cycles of the vehicles, details of most recent services and the recorded vehicle activity to predict the next service type and service date for a selected group of vehicles.
- **Multiple Vehicle Hour Meter Report:** This is a spot-check engine hour meter (service meter) reading report. The user specifies a date and time, and selects the group of vehicles. *Note the two vehicles that are not up-to-date with data collection.*

TACHOGRAPH-STYLE CHART

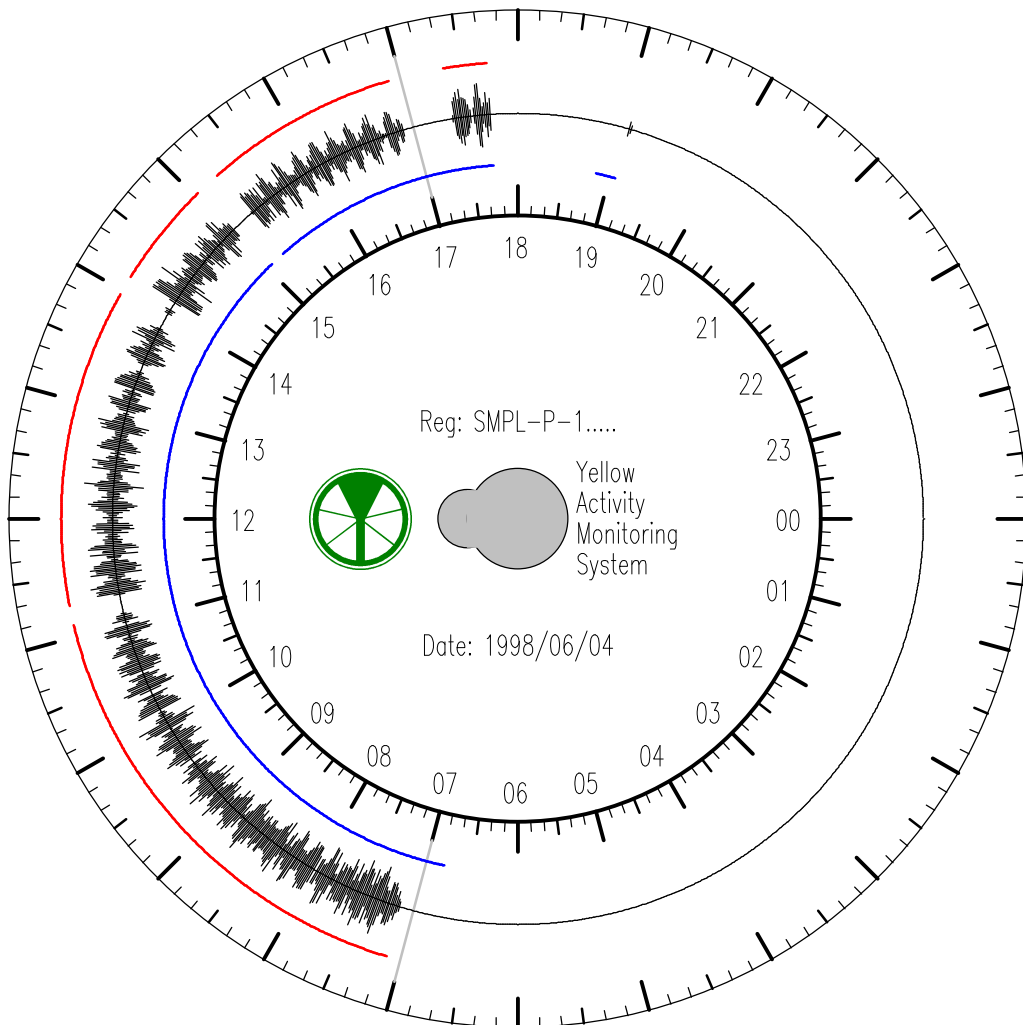
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Registration : SMPL-P-1
 Vehicle Type : SCRAPER
 Vehicle Model : CAT 651E
 Fleet Allocation : EARTHWORKS PLANT
 Location : CAPE TOWN

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 South Africa
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Report for Thursday, 4 June 1998

Shift Work	: 9 hr 14 min (92.3%)	Shift Engine	: 9 hr 50 min
Overtime Work	: 0 hr 22 min	Overtime Engine	: 1 hr 09 min
Total Work	: 9 hr 36 min (40.0%)	Total Engine	: 10 hr 59 min
Excessive Idling	: 1 hr 12 min	Running Engine	: 1347 hr 15 min
Shift Time	: 10 hr 00 min	Authorised Time	: 24 hr 00 min
Shift Standby	: 0 hr 46 min	Authorised Work	: 9 hr 36 min
Day Standby	: 14 hr 24 min	Unauthorised Work	: 0 hr 00 min



Outer Line - Work
 Inner Line - Engine



DAILY ACTIVITY CHART

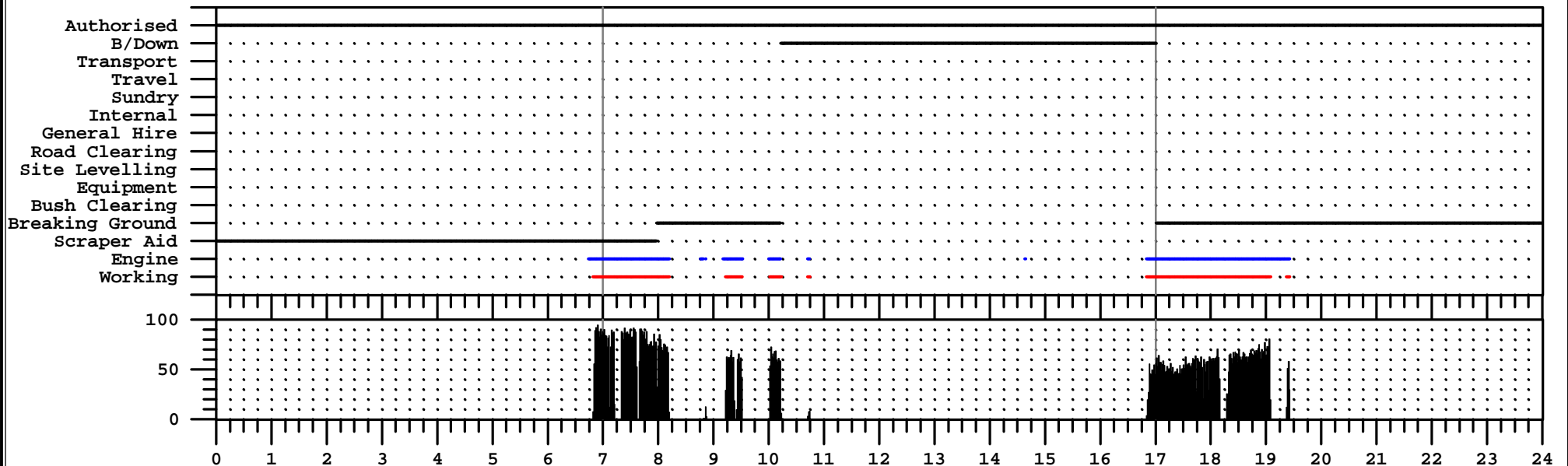
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Registration : TC 6058
 Vehicle Type : BULLDOZER
 Vehicle Model : CAT D9
 Fleet Allocation : EARTHWORKS DEPT
 Location : CAPE TOWN

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Report for Monday, 16 February 1998

Shift Work	: 1 hr 56 min (19.3%)	Shift Engine	: 2 hr 04 min
Overtime Work	: 2 hr 20 min	Overtime Engine	: 2 hr 42 min
Total Work	: 4 hr 16 min (17.8%)	Total Engine	: 4 hr 46 min
Excessive Idling	: 0 hr 17 min	Running Engine	: 12633 hr 21 min
Shift Time	: 10 hr 00 min	Authorised Time	: 24 hr 00 min
Shift Standby	: 8 hr 04 min	Authorised Work	: 4 hr 16 min
Day Standby	: 19 hr 44 min	Unauthorised Work	: 0 hr 00 min



PROGRESS CHART (DAILY TOTALS)

=====

Registration : PN 399H
Vehicle Type : DIGGER LOADER
Vehicle Model : CAT 428 B
Fleet Allocation : TECHNICAL
Location : VARIOUS

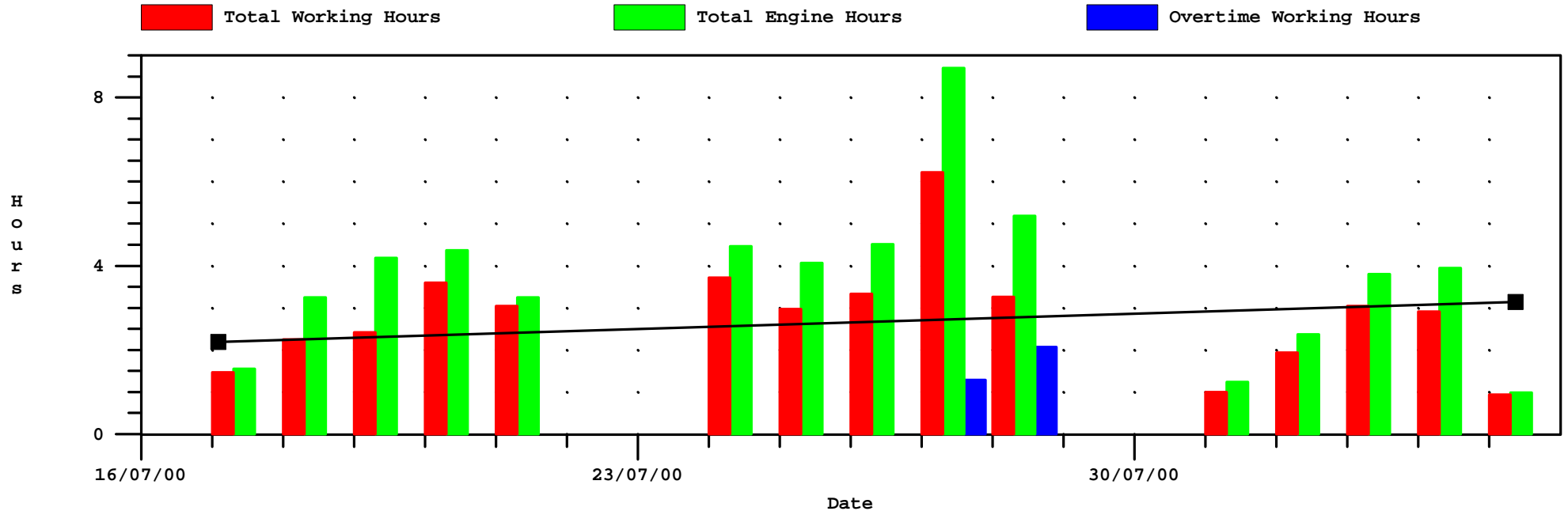
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Report from Sunday, 16 July 2000 to Friday, 4 August 2000 (20 days)

User Line Details

Left Marker Date Position : 2000/07/17
Left Marker Hours Position : 2.2
Line Slope : 0.05 hours per day

Right Marker Date Position : 2000/08/04
Right Marker Hours Position : 3.1



PROGRESS CHART (ACCUMULATIVE TOTALS)

Registration : PN 390H
Vehicle Type : F/E LOADER
Vehicle Model : WRIGHT 916 CA244619
Fleet Allocation : TECHNICAL
Location : VARIOUS

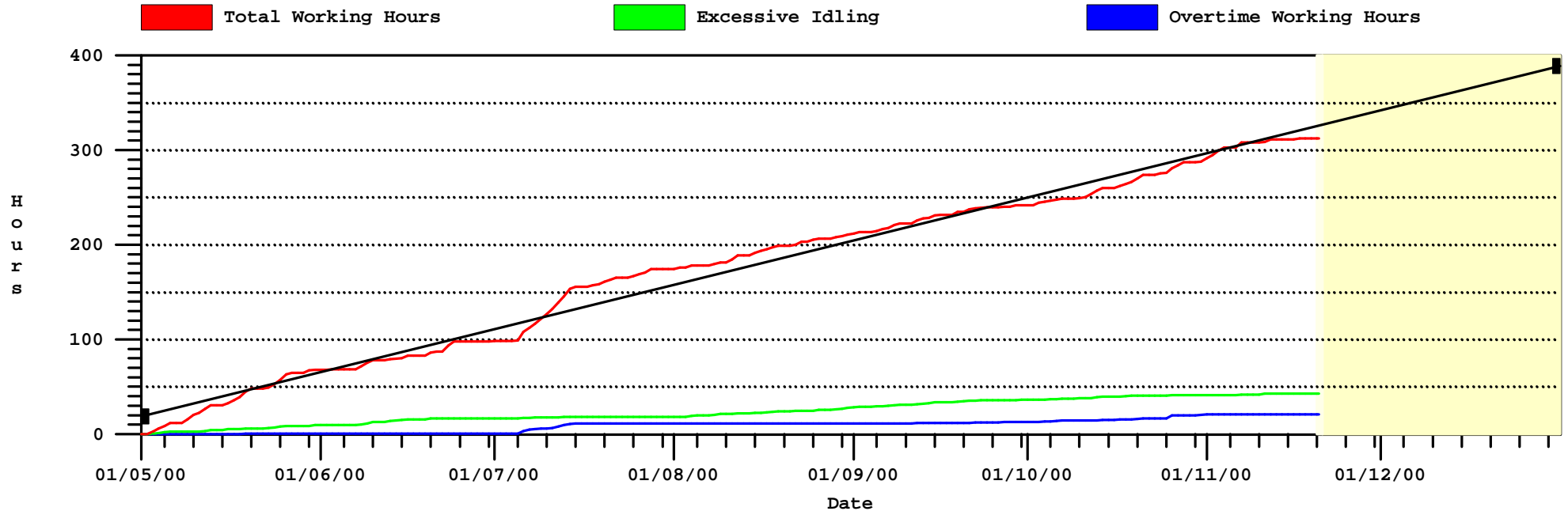
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Report from Monday, 1 May 2000 to Sunday, 31 December 2000 (245 days)

User Line Details

Left Marker Date Position : 2000/05/01 00:00
Left Marker Hours Position : 18.9
Line Slope : 1.51 hours per day

Right Marker Date Position : 2001/01/01 00:00
Right Marker Hours Position : 388.8



SINGLE VEHICLE SUMMARY REPORT (STANDARD)

Registration : SMPL-P-2
 Vehicle Type : SCRAPER
 Vehicle Model : CAT 651E
 Fleet Allocation : EARTHWORKS PLANT
 Location : CAPE TOWN

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Report from Friday, 1 May 1998 to Sunday, 31 May 1998 (31 days)

Date	Shift Time	Shift Work	OverTime Work	Total Work	Shift Standby	Total Standby	Shift % Used	Total % Used	Shift HrMeter	OverTime HrMeter	Total HrMeter
Fri 1998/05/01	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Sat 1998/05/02	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Sun 1998/05/03	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Mon 1998/05/04	10:00	07:26	01:59	09:25	02:34	14:35	74	39	07:50	02:20	10:10
Tue 1998/05/05	10:00	07:34	01:55	09:29	02:26	14:31	75	39	07:54	02:02	09:56
Wed 1998/05/06	10:00	09:09	00:12	09:21	00:51	14:39	91	38	09:15	00:38	09:53
Thu 1998/05/07	10:00	03:48	00:00	03:48	06:12	20:12	38	15	05:03	00:00	05:03
Fri 1998/05/08	10:00	09:12	00:18	09:30	00:48	14:30	92	39	09:14	00:32	09:46
Sat 1998/05/09	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:09	00:00	00:09
Sun 1998/05/10	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Mon 1998/05/11	10:00	04:08	01:57	06:05	05:52	17:55	41	25	05:29	02:03	07:32
Tue 1998/05/12	10:00	09:48	01:55	11:43	00:12	12:17	98	48	09:52	02:16	12:08
Wed 1998/05/13	10:00	08:37	02:04	10:41	01:23	13:19	86	44	08:46	02:23	11:09
Thu 1998/05/14	10:00	09:06	01:53	10:59	00:54	13:01	91	45	09:45	02:10	11:55
Fri 1998/05/15	10:00	02:42	00:00	02:42	07:18	21:18	27	11	03:06	00:00	03:06
Sat 1998/05/16	10:00	07:27	00:18	07:45	02:33	16:15	74	32	07:29	00:37	08:06
Sun 1998/05/17	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Mon 1998/05/18	10:00	10:00	01:01	11:01	00:00	12:59	100	45	10:00	01:11	11:11
Tue 1998/05/19	10:00	09:10	00:51	10:01	00:50	13:59	91	41	09:20	00:59	10:19
Wed 1998/05/20	10:00	03:54	00:00	03:54	06:06	20:06	39	16	04:31	00:00	04:31
Thu 1998/05/21	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:50	00:00	00:50
Fri 1998/05/22	10:00	05:43	00:00	05:43	04:17	18:17	57	23	06:35	00:00	06:35
Sat 1998/05/23	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Sun 1998/05/24	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Mon 1998/05/25	10:00	05:31	00:46	06:17	04:29	17:43	55	26	06:17	00:58	07:15
Tue 1998/05/26	10:00	03:22	00:00	03:22	06:38	20:38	33	14	03:46	00:06	03:52
Wed 1998/05/27	10:00	09:00	00:45	09:45	01:00	14:15	90	40	09:03	00:44	09:47
Thu 1998/05/28	10:00	09:54	00:47	10:41	00:06	13:19	99	44	09:52	01:00	10:52
Fri 1998/05/29	10:00	05:58	00:00	05:58	04:02	18:02	59	24	06:18	00:00	06:18
Sat 1998/05/30	10:00	00:30	00:00	00:30	09:30	23:30	5	2	00:55	00:00	00:55
Sun 1998/05/31	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
Totals :											
31.00 day/s	310:00	141:59	16:41	158:40	168:01	585:20			151:19	19:59	171:18
Averages:	10:00	04:34	00:32	05:07	05:25	18:52	45	21	04:52	00:38	05:31



SINGLE VEHICLE EVENT REPORT (WORK)

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Registration : SP 5023
 Vehicle Type : SCRAPER
 Vehicle Model : CAT 651E
 Fleet Allocation : EARTHWORKS DEPT
 Location : PORT ELIZABETH

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Report from Monday, 25 May 1998 to Friday, 29 May 1998 (5 days)

Date	Start	Stop	Work	Shift	Work Code	Authorised
Mon 25 May 1998	07:10	07:58	0:48	1	EW60	Yes
	15:15	17:00	1:45	1	EW70	Yes
	...	17:46	0:46	OverTime	EW70	Yes
Day Total :			3:19			
Day Work :			1:39 average in 2 session/s between 07:10 and 17:46 (10 hr 36 min)			
Tue 26 May 1998	11:39	17:00	5:21	1	EW70	Yes
	...	17:44	0:44	OverTime	EW70	Yes
	Day Total :			6:05		
Day Work :			6:05 average in 1 session/s between 11:39 and 17:44 (06 hr 05 min)			
Wed 27 May 1998	07:07	07:19	0:12	1	EW70	Yes
	08:10	09:46	1:36	1	EW70	Yes
	10:06	12:46	2:40	1	EW70	Yes
	13:19	17:00	3:41	1	EW70	Yes
	...	17:50	0:50	OverTime	EW70	Yes
Day Total :			8:59			
Day Work :			2:14 average in 4 session/s between 07:07 and 17:50 (10 hr 43 min)			
Thu 28 May 1998	07:13	17:00	9:47	1	EW70	Yes
	...	17:46	0:46	OverTime	EW70	Yes
	Day Total :			10:33		
Day Work :			10:33 average in 1 session/s between 07:13 and 17:46 (10 hr 33 min)			
Fri 29 May 1998	07:14	07:26	0:12	1	EW70	Yes
	08:14	13:43	5:29	1	EW70	Yes
Day Total :			5:41			
Day Work :			2:50 average in 2 session/s between 07:14 and 13:43 (06 hr 29 min)			
Report Work :			34:37 over 5.00 day/s (6:55 per day)			



SINGLE VEHICLE EVENT REPORT (EXCESSIVE IDLING)

Registration : PN 387H
 Vehicle Type : MOTOR GRADER
 Vehicle Model : WRIGHT 140G CA588364
 Fleet Allocation : TECHNICAL
 Location : VARIOUS

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Report from Monday, 9 October 2000 to Friday, 13 October 2000 (5 days)

Date	Start	Stop	Idling	Excess	Shift	Work Code	Authorised
Mon 09 Oct 2000	08:05	08:33	0:28	0:18	1	WORK	Yes
	08:48	09:14	0:26	0:16	1	WORK	Yes
	09:59	11:28	1:29	1:19	1	WORK	Yes
	12:30	13:15	0:45	0:35	1	WORK	Yes
	13:49	14:21	0:32	0:22	1	WORK	Yes
	14:35	15:04	0:29	0:19	1	WORK	Yes
Excessive Idling :			4:09	3:09	(6 session/s of 10 min or longer)		
Tue 10 Oct 2000	10:52	11:24	0:32	0:22	1	WORK	Yes
	14:29	15:02	0:33	0:23	1	WORK	Yes
	15:29	15:59	0:30	0:20	1	WORK	Yes
Excessive Idling :			1:35	1:05	(3 session/s of 10 min or longer)		
Wed 11 Oct 2000	08:09	08:20	0:11	0:01	1	WORK	Yes
	08:50	09:36	0:46	0:36	1	WORK	Yes
	11:08	11:47	0:39	0:29	1	WORK	Yes
	12:03	12:51	0:48	0:38	1	WORK	Yes
	13:22	13:49	0:27	0:17	1	WORK	Yes
	14:16	14:27	0:11	0:01	1	WORK	Yes
Excessive Idling :			3:02	2:02	(6 session/s of 10 min or longer)		
Thu 12 Oct 2000	08:53	09:12	0:19	0:09	1	WORK	Yes
	10:07	10:29	0:22	0:12	1	WORK	Yes
	10:39	10:54	0:15	0:05	1	WORK	Yes
	13:07	13:17	0:10	0:00	1	WORK	Yes
	13:32	15:53	2:21	2:11	1	WORK	Yes
Excessive Idling :			3:27	2:37	(5 session/s of 10 min or longer)		
Fri 13 Oct 2000	08:21	09:14	0:53	0:43	1	WORK	Yes
	09:46	10:00	0:14	0:04	1	WORK	Yes
Excessive Idling :			1:07	0:47	(2 session/s of 10 min or longer)		
Report Total :			13:20 over 5.00 day/s (2:40 per day)				



MULTIPLE VEHICLE PERIOD SUMMARY REPORT (STANDARD)

Kinetic Electronic Designs, P.O. Box 38679, Pinelands, Cape Town, South Africa, 7430

Selected by : Registration Number
 Selected : SMPL-P-2, SMPL-P-3, SMPL-P-4, SMPL-P-5

Report from Monday, 16 March 1998 to Saturday, 21 March 1998 (6 days)

Registration Number	Shift Time	Shift Work	OverTime Work	Total Work	Shift Standby	Total Standby	Shift % Used	Total % Used	Shift HrMeter	OverTime HrMeter	Total HrMeter
16 March 1998, Monday											
SMPL-P-2	10:00	00:00	00:00	00:00	10:00	24:00	0	0	00:00	00:00	00:00
SMPL-P-3	10:00	10:00	02:17	12:17	00:00	11:43	100	51	09:49	02:16	12:05
SMPL-P-4	10:00	10:00	02:10	12:10	00:00	11:50	100	50	10:00	02:30	12:30
SMPL-P-5	10:00	05:31	02:02	07:33	04:29	16:27	55	31	05:36	01:57	07:33
Totals :											
4 vehicle/s	40:00	25:31	06:29	32:00	14:29	64:00			25:25	06:43	32:08
Averages:	10:00	06:22	01:37	08:00	03:37	16:00	63	33	06:21	01:40	08:02
17 March 1998, Tuesday											
SMPL-P-2	10:00	09:46	01:58	11:44	00:14	12:16	97	48	10:00	02:12	12:12
SMPL-P-3	10:00	00:17	00:06	00:23	09:43	23:37	2	1	00:23	00:05	00:28
SMPL-P-4	10:00	09:49	01:59	11:48	00:11	12:12	98	49	10:00	02:15	12:15
SMPL-P-5	10:00	06:45	01:15	08:00	03:15	16:00	67	33	06:44	01:32	08:16
Totals :											
4 vehicle/s	40:00	26:37	05:18	31:55	13:23	64:05			27:07	06:04	33:11
Averages:	10:00	06:39	01:19	07:58	03:20	16:01	66	33	06:46	01:31	08:17
18 March 1998, Wednesday											
SMPL-P-2	10:00	09:43	01:48	11:31	00:17	12:29	97	47	10:00	02:19	12:19
SMPL-P-3	10:00	10:00	02:13	12:13	00:00	11:47	100	50	10:00	02:21	12:21
SMPL-P-4	10:00	03:43	01:38	05:21	06:17	18:39	37	22	04:26	01:54	06:20
SMPL-P-5	10:00	06:29	00:42	07:11	03:31	16:49	64	29	06:06	00:47	06:53
Totals :											
4 vehicle/s	40:00	29:55	06:21	36:16	10:05	59:44			30:32	07:21	37:53
Averages:	10:00	07:28	01:35	09:04	02:31	14:56	74	37	07:38	01:50	09:28
19 March 1998, Thursday											
SMPL-P-2	10:00	08:21	01:52	10:13	01:39	13:47	83	42	09:07	02:07	11:14
SMPL-P-3	10:00	04:00	00:23	04:23	06:00	19:37	40	18	04:00	00:50	04:50
SMPL-P-4	10:00	09:50	01:58	11:48	00:10	12:12	98	49	09:22	02:02	11:24
SMPL-P-5	10:00	07:54	01:23	09:17	02:06	14:43	79	38	07:14	01:40	08:54
Totals :											
4 vehicle/s	40:00	30:05	05:36	35:41	09:55	60:19			29:43	06:39	36:22
Averages:	10:00	07:31	01:24	08:55	02:28	15:04	75	37	07:25	01:39	09:05
20 March 1998, Friday											



Multiple Vehicle Period Summary Report - Standard (Monday, 16 March 1998 to Saturday, 21 March 1998) continued...

Registration Number	Shift Time	Shift Work	OverTime Work	Total Work	Shift Standby	Total Standby	Shift % Used	Total % Used	Shift HrMeter	OverTime HrMeter	Total HrMeter

20 March 1998, Friday continued...											
SMPL-P-2	10:00	09:22	00:11	09:33	00:38	14:27	93	39	09:25	00:19	09:44
SMPL-P-3	10:00	09:27	00:34	10:01	00:33	13:59	94	41	09:26	00:21	09:47
SMPL-P-4	10:00	09:22	00:09	09:31	00:38	14:29	93	39	07:33	00:18	07:51
SMPL-P-5	10:00	08:24	00:11	08:35	01:36	15:25	84	35	08:25	00:20	08:45
Totals :											
4 vehicle/s	40:00	36:35	01:05	37:40	03:25	58:20			34:49	01:18	36:07
Averages:	10:00	09:08	00:16	09:25	00:51	14:35	91	39	08:42	00:19	09:01

21 March 1998, Saturday											
SMPL-P-2	10:00	06:58	00:06	07:04	03:02	16:56	69	29	07:18	00:23	07:41
SMPL-P-3	10:00	08:06	00:21	08:27	01:54	15:33	81	35	08:02	00:18	08:20
SMPL-P-4	10:00	07:43	00:15	07:58	02:17	16:02	77	33	05:51	00:01	05:52
SMPL-P-5	10:00	07:08	00:11	07:19	02:52	16:41	71	30	06:59	00:21	07:20
Totals :											
4 vehicle/s	40:00	29:55	00:53	30:48	10:05	65:12			28:10	01:03	29:13
Averages:	10:00	07:28	00:13	07:42	02:31	16:18	74	32	07:02	00:15	07:18

Report Totals :											
24 veh-day/s	240:00	178:38	25:42	204:20	61:22	371:40			175:46	29:08	204:54
Report Averages:	10:00	07:26	01:04	08:30	02:33	15:29	74	35	07:19	01:12	08:32



MULTIPLE VEHICLE SERVICING REPORT (SUMMARY)

Kinetic Electronic Designs CC
P.O. Box 38679
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7405

Selected by : Vehicle Type
Selected : F/E LOADER

Report on Wednesday, 18 October 2000
(Based on Engine Activity since 1 August 2000)

Registration Number	Service Type	Service Date	Hour Meter at Service	Prediction Information			Warnings (less than 60 days)
				Accuracy	Rate (hrs/day)	Days Used	
CA 322-856	A	14 December 2000	4835.7	91%	4.3	76	57 days
CA 392-373	A	18 November 2000	15834.4	100%	3.7	78	31 days
CA 399-907	B	22 October 2000	5582.4	82%	1.8	73	3 days
CA 416-624	A	10 October 2000	9583.5	87%	2.1	77	*** OVERDUE! (8 days) ***
CA 483-392	C	15 November 2000	1284.6	44%	3.3	74	28 days
CA 511-157	D	2 December 2000	7664.5	96%	5.2	77	45 days
CA 528-735	A	5 November 2000	250.0	86%	2.8	77	18 days
CA 575-429	B	29 October 2000	3822.9	92%	1.7	76	11 days
CA 621-334	A	27 November 2000	3744.8	84%	0.7	74	40 days
CA 653-768	D	14 October 2000	19284.6	93%	0.9	77	*** OVERDUE! (4 days) ***



MULTIPLE VEHICLE HOUR METER REPORT

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Selected by : Registration Number
Selected : GA 73864, GA 23873, GA 08887, GK 43893, GT 83907, MH 53918, ...

Report on Monday, 30 October 2000 at 10:45

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Registration Number	Hour Meter	Most Recent Available Data	Comment
GA 73864	8782.0	2000/11/20 08:33	
GA 23873	11888.6	2000/11/20 11:21	
GA 08887	1104.8	2000/10/27 09:23	After last available data
GK 43893	9532.2	2000/11/20 12:07	
GT 83907	7915.4	2000/11/20 08:11	
MH 53918	6271.0	2000/11/20 08:48	
MH 03924	7450.2	2000/11/14 08:21	
MP 67937	7607.1	2000/11/20 08:12	
TP 53941	7093.6	2000/11/15 10:13	
TP 93955	6484.4	2000/11/20 10:51	
TP 90969	8136.6	2000/11/21 14:13	
TT 23975	4336.5	2000/11/14 07:57	
TT 45994	3205.8	2000/11/20 11:49	
VF 34006	3560.5	2000/11/20 11:32	
VF 84036	2925.9	2000/10/13 11:24	After last available data
VK 14092	6916.3	2000/11/16 12:11	

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