

Maxim Crane Works, LP

5 Year Maintenance History Summary

2914

100 ton

GROVE RT9100

1997

Maxim performs scheduled Preventative Maintenance ("PMs) procedures at least every 90 days and more periodically depending on crane usage. Maxim performs a comprehensive crane inspection at each PM interval, before and after each crane rental and annually in accordance with OSHA and ANSI requirements. Maxim installed its computerized maintenance management system in 2004, attached is a standard cost summary of workorders documented since system installation. All workorders exceeding \$10,000, representing rebuild activities and major component replacement, are attached for review.

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
CER	2914	RT	8338	7/25/2003	HYDRAULIC	HYD LEAK	-	120	120
CER	2914	RT	8983	7/31/2003	PREVENTATIVE MAINTENANCE	CHECK OUT FOR RENT	-	432	432
CER	2914	RT	9868	8/14/2003	ENGINE	WILL NOT RUN	-	432	432
CER	2914	RT	11252	9/2/2003	HOIST / WINCH	WINCH	-	768	768
CER	2914	RT	13494	9/4/2003	CABLE/WIRE	CABLE	-	72	72
CER	2914	RT	14442	9/18/2003	ELECTRICAL	ELEC. PROBLEM	-	192	192
CER	2914	RT	15923	10/8/2003	PREVENTATIVE MAINTENANCE	MAKE READY	(27)	3,912	3,885
CER	2914	RT	18720	10/31/2003	COMPUTER SYSTEMS	COMPUTER PROBLEMS	-	2,232	2,232
CER	2914	RT	25257	12/4/2003	INSPECTIONS	OFF RENT INSPECTION	511	1,272	1,783
CER	2914	RT	30024	12/19/2003	ELECTRICAL	ALTERNATOR	258	144	402
CER	2914	RT	33590	1/16/2004	INSPECTIONS	ANNUAL INSPECTION DUE	-	144	144
CER	2914	RT	36389	1/28/2004	ENGINE	LEAK ON ENGINE	13	48	61
CER	2914	RT	36683	1/28/2004	HEATING AND AIR CONDITIONING	REPAIR HEATER	-	168	168
CER	2914	RT	35884	1/28/2004	HEATING AND AIR CONDITIONING	REPAIR HEATER	160	144	304
CER	2914	RT	37570	2/9/2004	HEATING AND AIR CONDITIONING	HEATER NOT WORKING	31	600	631
CER	2914	RT	38728	2/9/2004	FABRICATION	FABRICATE FUEL TANK TO FIT IN OPERATORS TRUCK	-	696	696
CER	2914	RT	40756	2/17/2004	ENGINE	RUNNING ROUGH	13	72	85
CER	2914	RT	41243	2/23/2004	ENGINE	MOTOR OIL LEAK	31	96	127
CER	2914	RT	42922	2/27/2004	PREVENTATIVE MAINTENANCE	OIL LEAK	-	72	72
CER	2914	RT	46458	3/20/2004	HYDRAULIC	AIR LEAK	-	96	96
CER	2914	RT	50197	4/27/2004	PREVENTATIVE MAINTENANCE	OFF RENT INSPECTION	59	1,704	1,763
CER	2914	RT	52690	5/16/2004	COMPUTER SYSTEMS	COMPUTER PROBLEM	-	876	876
CER	2914	RT	63148	6/28/2004	ELECTRICAL	ELEC. PROBLEM	-	288	288
CER	2914	RT	60063	7/13/2004	COMPUTER SYSTEMS	ANTI TWO BLOCK CABLE NEEDS REPAIRED	-	120	120
CER	2914	RT	70472	8/2/2004	HYDRAULIC	HYD. PROBLEM	-	192	192
CER	2914	RT	83447	10/1/2004	ENGINE	SERVICE CALL TO TEPSCO,CUST REPORTED FAN BELT	146	336	482
CER	2914	RT	72801	10/14/2004	INSPECTIONS	OFF RENT	58	568	626
CER	2914	RT	87148	10/26/2004	HYDRAULIC	CUST CALLED IN AND SAID HE HAD HYD OIL LEAK	-	800	800
CER	2914	RT	90383	10/28/2004	ESCORT	ESCORT CRANE FROM LAV TO TEX	-	320	320
CER	2914	RT	90565	11/16/2004	INSPECTIONS	SPECTION FOR RENT	-	480	480
CER	2914	RT	97342	12/20/2004	INSPECTIONS	YARD INSPECTION FOR RENT	-	32	32
CER	2914	RT	100180	1/11/2005	HYDRAULIC	HYD LEAK	-	480	480
CER	2914	RT	110356	2/16/2005	ELECTRICAL	BLINKER NOT WORKING	-	64	64
CER	2914	RT	110242	2/16/2005	ESCORT	ESCORT	-	96	96
CER	2914	RT	103488	2/16/2005	PREVENTATIVE MAINTENANCE	INSPECT CRANE FOR NEEDED REPAIRS	2,617	4,368	6,985
CER	2914	RT	111055	2/17/2005	PREVENTATIVE MAINTENANCE	PARTS ONLY	50	-	50
CER	2914	RT	115242	3/10/2005	ORIENTATION	CHECK OIL LEAK.	-	64	64
CER	2914	RT	115390	3/14/2005	HYDRAULIC	HYD.LEAK ON TURN TABLE	74	192	266
CER	2914	RT	112844	3/21/2005	INSPECTIONS	ANNUAL INSPECTION - BACKLOG	250	-	250
CER	2914	RT	119006	3/29/2005	ESCORT	ESCORT CHOCOLATE BAYOU TO FREEPORT	-	128	128
CER	2914	RT	116700	3/29/2005	HYDRAULIC	HYD.LEAK-TURN TABLE FRONT OF CWT	100	80	180
CER	2914	RT	119688	4/11/2005	PREVENTATIVE MAINTENANCE	OFF RENT INSPECTION	141	560	701
CER	2914	RT	120692	4/26/2005	PREVENTATIVE MAINTENANCE	CRANE NEEDS FUEL	-	128	128
CER	2914	RT	125015	5/2/2005	PREVENTATIVE MAINTENANCE	PM-A SERVICE	36	96	132
CER	2914	RT	128067	5/11/2005	CABLE/WIRE	CHECK MAIN WINCH SPOOLING & WRAPING	-	32	32
CER	2914	RT	128838	5/17/2005	HYDRAULIC	BUSTED HOSE FOR OUTRIGGER.CHECK OVER FOR RENTAL.	60	560	620
CER	2914	RT	139233	7/11/2005	HYDRAULIC	BOOM LEAKING HYDRAULIC OIL.	297	1,760	2,057
CER	2914	RT	140818	7/15/2005	ENGINE	CHECK RADIATOR HOSE	-	96	96
CER	2914	RT	143368	7/29/2005	HEATING AND AIR CONDITIONING	CHECK AIR CONDITION	-	48	48

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
CER	2914	RT	143908	8/5/2005	HOIST / WINCH	HOIST IS NOT WORKING	-	144	144
CER	2914	RT	146699	8/12/2005	ENGINE	OIL LEAK (AROUND THE MOTOR, BACK SIDE)	-	64	64
CER	2914	RT	148998	8/26/2005	HYDRAULIC	OIL LEAK (AROUND THE MOTOR, BACK SIDE)	-	160	160
CER	2914	RT	151307	9/9/2005	PREVENTATIVE MAINTENANCE	COMPLETE PM FILTER SERVICE. REPAIRS.	199	1,088	1,287
CER	2914	RT	163677	11/2/2005	INSPECTIONS	DOW INSPECTION	-	64	64
CER	2914	RT	165174	11/9/2005	HYDRAULIC	REPAIR HYDRAULIC LEAKS.	-	160	160
CER	2914	RT	166919	11/11/2005	HYDRAULIC	HYD LEAK ON CABLE DRUM	-	64	64
CER	2914	RT	168073	11/17/2005	HYDRAULIC	HYDRAULIC LEAK AT LEFT REAR TIRE.	-	224	224
CER	2914	RT	173332	12/20/2005	HYDRAULIC	HEATER DOESN'T WORK, HYD. LEAK @ LIFT CYL, HYD. LEAK	-	96	96
CER	2914	RT	173937	12/20/2005	HYDRAULIC	HYD. LEAK BEHIND TRANSMISSION	-	144	144
CER	2914	RT	176026	12/27/2005	PREVENTATIVE MAINTENANCE	SPRING ON SAFETY LATCH BALL BROKE	-	48	48
CER	2914	RT	176664	12/28/2005	HYDRAULIC	SMALL HYD. LEAK	-	192	192
CER	2914	RT	177081	1/6/2006	CABLE/WIRE	REPLAUX HOIST CABLE	2,513	816	3,329
CER	2914	RT	179972	1/19/2006	PREVENTATIVE MAINTENANCE	PM-A FILTER SERVICE	66	396	462
CER	2914	RT	177838	1/19/2006	PREVENTATIVE MAINTENANCE	CHECK DRIVE TRAIN. TO SHOP FOR AXLE REPLACEMENT.	2,576	2,412	4,988
CER	2914	RT	191842	3/16/2006	INSPECTIONS	ANNUAL INSPECTION	250	-	250
CER	2914	RT	187747	3/21/2006	PREVENTATIVE MAINTENANCE	OFF RENT INSPECTION	-	336	336
CER	2914	RT	195162	3/29/2006	BOOM	2-BLOCK PROBLEMS	-	120	120
CER	2914	RT	198664	4/10/2006	POST RENTAL INSPECTIONS	OFF RENT INSPECTION	-	384	384
CER	2914	RT	200472	4/13/2006	ELECTRICAL	ELEC. PROBLEM	-	192	192
CER	2914	RT	199754	4/14/2006	ENGINE	ENGINE SERVICE	-	144	144
CER	2914	RT	199194	4/17/2006	POST RENTAL INSPECTIONS	00198664 - CREATED FROM INSPECTION WORK ORDER	4	1,860	1,864
CER	2914	RT	202071	4/20/2006	INSPECTIONS	INSPECTION	32	480	512
CER	2914	RT	203244	4/27/2006	COMPUTER SYSTEMS	COMPUTER PROBLEM	-	240	240
CER	2914	RT	204371	5/3/2006	PREVENTATIVE MAINTENANCE	REPLACE FUEL PUMP	110	756	866
CER	2914	RT	205286	5/30/2006	INSPECTIONS	CHECK OUT FOR RENT	-	504	504
CER	2914	RT	211823	6/5/2006	ELECTRICAL	WILL NOT RUN	-	72	72
CER	2914	RT	214294	6/28/2006	BOOM	JIB	-	336	336
CER	2914	RT	221610	7/19/2006	HEATING AND AIR CONDITIONING	A/C	-	96	96
CER	2914	RT	226908	8/11/2006	HEATING AND AIR CONDITIONING	A/C	-	144	144
CER	2914	RT	228278	8/18/2006	HEATING AND AIR CONDITIONING	A/C	1,487	1,224	2,711
CER	2914	RT	235883	9/21/2006	BOOM	PIN	-	192	192
CER	2914	RT	242836	10/23/2006	ENGINE	ENGINE	172	432	604
CER	2914	RT	245492	11/2/2006	PREVENTATIVE MAINTENANCE	PMA SERVICES	103	384	487
CER	2914	RT	246155	11/9/2006	HYDRAULIC	HYD LEAK	-	564	564
CER	2914	RT	258404	1/17/2007	POST RENTAL INSPECTIONS	OFF RENT INSPECTION	-	120	120
CER	2914	RT	258614	2/14/2007	HYDRAULIC	HYD LEAK	10,452	-	10,452
CER	2914	RT	265121	2/21/2007	PREVENTATIVE MAINTENANCE	OFFRENT INSPECTION (ONSIGHT) & REPAIRS	-	168	168
CER	2914	RT	271241	3/14/2007	HYDRAULIC	REPLACED HYDRAULIC HOSE	-	216	216
CER	2914	RT	257891	3/14/2007	HYDRAULIC	HYD LEAK	-	2,604	2,604
CER	2914	RT	272469	3/16/2007	INSPECTIONS	ANNUAL INSPECTION	260	-	260
CER	2914	RT	272475	3/22/2007	HYDRAULIC	CHECK FOR HYDRAULIC LEAKS	-	72	72
CER	2914	RT	278109	4/23/2007	ENGINE	RUNNING ROUGH	11	72	83
CER	2914	RT	278189	4/23/2007	PREVENTATIVE MAINTENANCE	GREASE BOOM/ REPAIR HYDRAULIC LEAK	-	144	144
CER	2914	RT	281793	5/7/2007	PREVENTATIVE MAINTENANCE	SERVICE PM-A	61	216	277
CER	2914	RT	283924	5/22/2007	PREVENTATIVE MAINTENANCE	OIL LEAK/ FUEL LEAK	-	300	300
CER	2914	RT	286667	6/13/2007	HYDRAULIC	HYDRAULIC LEAK	-	408	408
CER	2914	RT	290998	7/2/2007	HYDRAULIC	HYDRAULIC LEAK @ SWIVEL/ HORN	-	240	240
CER	2914	RT	292994	7/24/2007	ENGINE	OIL LEAK @ COMPRESSOR	-	120	120

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
CER	2914	RT	308424	9/20/2007	HYDRAULIC	HYD OIL LEAK	-	312	312
CER	2914	RT	310173	9/26/2007	ENGINE	FILL WITH OIL	-	72	72
CER	2914	RT	308005	9/26/2007	INSPECTIONS	OFF RENT INSPECTION	-	600	600
CER	2914	RT	310808	10/3/2007	ENGINE	TURBO COOLANT OIL LINE LEAKING	47	252	299
CER	2914	RT	321052	11/16/2007	PREVENTATIVE MAINTENANCE	SERVICE PM-A	47	144	191
CER	2914	RT	315671	11/16/2007	ENGINE	CHECK AIR SYSTEM	787	600	1,387
CER	2914	RT	327200	1/2/2008	EXHAUST	EXHAUST REPAIRS	-	216	216
CER	2914	RT	330081	1/8/2008	ELECTRICAL	WON'T START	-	144	144
CER	2914	RT	330143	1/23/2008	BOOM	INSPECT & REPAIR	-	612	612
CER	2914	RT	341774	2/19/2008	HOIST / WINCH	A2B KICKS IN AND OUT INTERMITTENTLY	-	168	168
CER	2914	RT	343603	2/28/2008	ENGINE	LOST KEY	8	120	128
CER	2914	RT	344065	3/3/2008	ENGINE	FUEL FILTERS	13	240	253
CER	2914	RT	348100	3/21/2008	PREVENTATIVE MAINTENANCE	SERVICE PM-B	92	192	284
CER	2914	RT	350727	4/1/2008	INSPECTIONS	ANNUAL 3RD PARTY INSPECTION	233	-	233
CER	2914	RT	331218	4/4/2008	HOIST / WINCH	ROTATION INDICATOR AUX WINCH	567	120	687
CER	2914	RT	352227	4/11/2008	ENGINE	WONT START	-	120	120
CER	2914	RT	352602	4/16/2008	HOIST / WINCH	A2B NOT WORKING	-	144	144
CER	2914	RT	353481	4/18/2008	ENGINE	FUEL INJECTION PUMP BAD	2,428	96	2,524
CER	2914	RT	347631	4/18/2008	POST RENTAL INSPECTIONS	OFFRENT INSPECTION AND REPAIRS	2,223	3,720	5,943
CER	2914	RT	353453	4/28/2008	ENGINE	FUEL LEAK	-	108	108
CER	2914	RT	355788	5/5/2008	PREVENTATIVE MAINTENANCE	HORN INOPERABLE	-	96	96
CER	2914	RT	363325	6/24/2008	PREVENTATIVE MAINTENANCE	SERVICE PM-A	43	120	163
CER	2914	RT	356318	7/2/2008	CABLE/WIRE	REPLACE AUX WINCH CABLE	3,653	600	4,253
CER	2914	RT	369070	7/30/2008	HYDRAULIC	REPAIR HYD LEAKS	1,510	1,344	2,854
CER	2914	RT	361761	8/5/2008	PREVENTATIVE MAINTENANCE	OFFRENT INSPECTION	25	228	253
CER	2914	RT	372756	8/13/2008	HYDRAULIC	REPAIR HYDRAULIC LEAK	-	288	288
CER	2914	RT	371713	8/25/2008	POST RENTAL INSPECTIONS	OFF RENT INSPECTION	-	240	240
CER	2914	RT	372098	10/7/2008	POST RENTAL INSPECTIONS	OFFRENT INSPECTION	305	1,476	1,781
CER	2914	RT	381554	10/13/2008	HYDRAULIC	ATB PROBLEM	245	504	749
CER	2914	RT	383494	10/20/2008	HEATING AND AIR CONDITIONING	FUEL PROBLEM...CHECK OUT A/C AND HEATER	13	-	13
CER	2914	RT	384164	10/23/2008	ENGINE	OIL LEAKS	-	144	144
CER	2914	RT	390993	12/5/2008	DRIVE TRAIN	TRANSMISSION	-	84	84
CER	2914	RT	392841	12/18/2008	PREVENTATIVE MAINTENANCE	GET CRANE UNSTUCK	-	288	288
CER	2914	RT	393451	1/9/2009	PREVENTATIVE MAINTENANCE	SERVICE PM-A HOURS 14811 AS OF 1/8/2009	46	312	358
CER	2914	RT	387209	1/12/2009	HYDRAULIC	HYDRAULIC LEAKS FROM UNDERCARRIAGE, ROPE NEEDS LUBE	-	72	72
CER	2914	RT	408065	3/31/2009	INSPECTIONS	ANNUAL INSPECTION	225	-	225
CER	2914	RT	400433	4/2/2009	PREVENTATIVE MAINTENANCE	OFFRENT INSPECTION AND REPAIRS	58	1,080	1,138
CER	2914	RT	413520	5/2/2009	PREVENTATIVE MAINTENANCE	FILL TRANSMISSION	-	48	48
CER	2914	RT	413813	5/11/2009	HYDRAULIC	REPLACE HYD HOSE	73	552	625

Work Order Estimate

Work Order #	258614
Branch	TEX
Bill to Branch	TEX
Customer Number	0
Equipment Model	RT9100
Equipment Class	100
Description of Problem	SWIVEL LEAKING
Work Order Desc.	HYD LEAK
Reviewed by	Rob Pearce
Reviewers Comments	
Review Date	01/10/2007

Authorized By	Approved Randy Johnston
Authorized Date	01/15/2007
Created By	SCOTT
Date Opened	02/07/2007
Equipment Number	2914
Equipment Make	GROVE
Equipment Category	70

	<i>Estimate</i>	<i>Actual</i>
Labor Total \$	\$0.00	\$0.00
Parts Total \$	\$10,000.00	\$10,452.47
Misc Charge	\$0.00	\$0.00
Total \$	\$10,000.00	\$10,452.47

Labor

Code	Description	Hours	Rate	Total
5629	REMOVE HDY. SWIVEL ASSY,	0	\$0.00	\$0.00
5640	RECONDITION HYD. SWIVEL	0	\$0.00	\$0.00
Totals:		0	\$0.00	\$0.00

Parts

Code	Description	Quantity	Unit Price	Total
	OUTSIDE REBUILD	0	\$0.00	\$10,452.47
	OUTSIDE REBUILD	1	\$10,000.00	\$0.00
Totals:		1	\$10,000.00	\$10,452.47

Other

Code	Description	Amount
	Nothing Found	
Totals:		