

Maxim Crane Works, LP

5 Year Maintenance History Summary

2913

100 ton

GROVE RT9100

1999

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	2913	RT	6815	7/17/2003	HYDRAULIC	HYD LEAK	-	288	288
CER	2913	RT	9037	7/31/2003	HYDRAULIC	HYD LEAK	-	408	408
CER	2913	RT	18285	10/6/2003	HYDRAULIC	HYD	-	192	192
CER	2913	RT	17678	10/6/2003	ENGINE	ENGINE	-	504	504
CER	2913	RT	19345	10/14/2003	HYDRAULIC	HYD	-	216	216
CER	2913	RT	21849	10/30/2003	HYDRAULIC	HYD LEAK	-	192	192
CER	2913	RT	24655	11/17/2003	ENGINE	ENGINE	28	144	172
CER	2913	RT	29077	12/11/2003	HYDRAULIC	HYD PUMP	-	912	912
CER	2913	RT	30402	12/29/2003	HYDRAULIC	HYD	75	96	171
CER	2913	RT	30721	1/12/2004	HYDRAULIC	PUMP	28	5,160	5,188
CER	2913	RT	35872	1/22/2004	COMPUTER SYSTEMS	COMPUTER	-	192	192
CER	2913	RT	34971	2/10/2004	HYDRAULIC	HYD	19	360	379
CER	2913	RT	39976	2/23/2004	HYDRAULIC	HYD	-	144	144
CER	2913	RT	45213	3/15/2004	BOOM	BOOM	-	336	336
CER	2913	RT	46085	4/8/2004	PREVENTATIVE MAINTENANCE	MAKE READY	396	2,760	3,156
CER	2913	RT	52682	5/16/2004	ELECTRICAL	ELECTRICAL	42	2,088	2,130
CER	2913	RT	57961	6/2/2004	PREVENTATIVE MAINTENANCE	MAKE READY	210	2,016	2,226
CER	2913	RT	63977	6/10/2004	ELECTRICAL	ELECTRICAL PROBLEMS	-	936	936
CER	2913	RT	67638	6/28/2004	ENGINE	CRANE WON'T RUN	-	288	288
CER	2913	RT	67644	6/28/2004	ENGINE	FUEL LEAK	3	288	291
CER	2913	RT	68218	6/30/2004	PREVENTATIVE MAINTENANCE	HOLE IN TAIL PIPE	-	96	96
CER	2913	RT	68221	6/30/2004	INSPECTIONS	NEED OFF RENT INSPECTION	-	96	96
CER	2913	RT	71545	7/23/2004	HYDRAULIC	HYD. LEAK	686	144	830
CER	2913	RT	73648	7/29/2004	COMPUTER SYSTEMS	COMPUTOR PROBLEMS	1,711	-	1,711
CER	2913	RT	76061	8/16/2004	PREVENTATIVE MAINTENANCE	NEEDS SERVICED AND NEEDS WEAR PADS	61	744	805
CER	2913	RT	86246	10/8/2004	CAB	BROKEN TOP WINDSHIELD	-	64	64
CER	2913	RT	87561	10/15/2004	ENGINE	FUEL LEAK	-	352	352
CER	2913	RT	86843	12/15/2004	HYDRAULIC	OPERATOR SWUNG RIG AROUND WITH HOUSE LOCK NOT	-	312	312
CER	2913	RT	106125	2/19/2005	PREVENTATIVE MAINTENANCE	HEATER DOES NOT WORK	112	400	512
CER	2913	RT	112444	3/4/2005	HYDRAULIC	HYD LEAK	-	216	216
CER	2913	RT	96678	3/8/2005	INSPECTIONS	INSPECTION	1,517	1,744	3,261
CER	2913	RT	116432	3/24/2005	INSPECTIONS	INSPECTION	-	208	208
CER	2913	RT	114794	4/1/2005	PREVENTATIVE MAINTENANCE	REPAIRS/SERVICE	654	1,392	2,046
CER	2913	RT	118163	4/6/2005	PREVENTATIVE MAINTENANCE	REPAIRS PER INSPECTION	-	472	472
CER	2913	RT	121950	4/13/2005	HYDRAULIC	FUEL LEAK	-	80	80
CER	2913	RT	119695	4/14/2005	ENGINE	OIL LEAKS C-4	-	320	320
CER	2913	RT	121959	4/14/2005	COMPUTER SYSTEMS	2BLOCK/HOSES	303	320	623
CER	2913	RT	124975	5/5/2005	HYDRAULIC	HYD LEAK IN BOOM	-	48	48
CER	2913	RT	130944	6/2/2005	HYDRAULIC	LR OUTRIGGER LEAKING FLUID	-	184	184
CER	2913	RT	128349	6/2/2005	COMPUTER SYSTEMS	2 BLOCK CABLE BUSTED FOR STINGER ON JIB	36	168	204
CER	2913	RT	134474	6/27/2005	PREVENTATIVE MAINTENANCE	COOLANT LEAK	-	48	48
CER	2913	RT	138082	8/18/2005	ENGINE	CHECK ENGINE	822	1,240	2,062
CER	2913	RT	143158	8/22/2005	OUTRIGGERS	SET UP CRANE IN SHOP	-	48	48
CER	2913	RT	144977	8/22/2005	INSPECTIONS	INSPECTION	-	160	160
CER	2913	RT	158661	10/11/2005	COMPUTER SYSTEMS	COMPUTER MALFUNCTION	11	176	187
CER	2913	RT	158027	10/12/2005	ELECTRICAL	BATTERIES & WATER LEAK	113	96	209
CER	2913	RT	160386	10/18/2005	PREVENTATIVE MAINTENANCE	WATER LEAK	7	72	79
CER	2913	RT	165495	11/7/2005	CABLE/WIRE	SERVICE PM-A	56	240	296
CER	2913	RT	163704	11/11/2005	PREVENTATIVE MAINTENANCE	HEATER	-	32	32

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
CER	2913	RT	148907	11/11/2005	PREVENTATIVE MAINTENANCE	PULL LIFT JACK	5,631	1,144	6,775
CER	2913	RT	169541	11/28/2005	ELECTRICAL	WILL NOT START	24	128	152
CER	2913	RT	172719	12/9/2005	EXHAUST	EXHAUST	-	120	120
CER	2913	RT	174197	12/17/2005	CABLE/WIRE	CUT 25' AUX CABLE OFF	-	48	48
CER	2913	RT	175826	12/20/2005	INSPECTIONS	ANNUAL INSPECTION	125	-	125
CER	2913	RT	174516	12/27/2005	INSPECTIONS	OFFRENT INSPECTION	28	792	820
CER	2913	RT	178401	1/9/2006	ELECTRICAL	BOOM WONT PIN	-	96	96
CER	2913	RT	195157	3/23/2006	PREVENTATIVE MAINTENANCE	BACKUP ALARM	-	96	96
CER	2913	RT	195888	3/24/2006	PREVENTATIVE MAINTENANCE	CRANE KEEPS DYING	9	144	153
CER	2913	RT	203389	4/26/2006	PREVENTATIVE MAINTENANCE	AC NOT WORKING	-	72	72
CER	2913	RT	211490	6/5/2006	PREVENTATIVE MAINTENANCE	SERVICE PM-A	50	240	290
CER	2913	RT	219911	7/11/2006	COMPUTER SYSTEMS	TROUBLESHOOT COMPUTER	-	144	144
CER	2913	RT	220209	7/13/2006	ENGINE	CHECK ENGINE	15	312	327
CER	2913	RT	221456	7/18/2006	COMPUTER SYSTEMS	COMPUTER PROBLEMS	-	168	168
CER	2913	RT	214534	8/4/2006	PREVENTATIVE MAINTENANCE	CABLE NEEDS REPLACED	1,151	384	1,535
CER	2913	RT	228892	8/31/2006	PREVENTATIVE MAINTENANCE	HORN & AC PROBLEMS	11	264	275
CER	2913	RT	236614	10/2/2006	INSPECTIONS	INSPECTION ON JOB SITE	-	48	48
CER	2913	RT	237271	10/2/2006	ELECTRICAL	REPAIR & REPLACE TUBING/ REPLACE FUEL FILTERS	24	192	216
CER	2913	RT	239444	10/5/2006	PREVENTATIVE MAINTENANCE	SERVICE PM-B	86	240	326
CER	2913	RT	239278	10/12/2006	PREVENTATIVE MAINTENANCE	OFF-RENT	150	624	774
CER	2913	RT	245503	11/2/2006	PREVENTATIVE MAINTENANCE	WON'T START	115	144	259
CER	2913	RT	246090	11/8/2006	ELECTRICAL	MACHINE WON'T START	322	1,728	2,050
CER	2913	RT	248081	11/15/2006	HYDRAULIC	FITTING ON OUTRIGGER	5	384	389
CER	2913	RT	249445	11/20/2006	ELECTRICAL	REPAIRED WIRE	-	180	180
CER	2913	RT	249460	11/20/2006	ENGINE	REPLACE FUEL FILTERS	9	180	189
CER	2913	RT	249783	11/21/2006	HYDRAULIC	HYDRAULIC LEAK	-	312	312
CER	2913	RT	250025	11/29/2006	ELECTRICAL	REPLACED FUSE HOLDER	29	72	101
CER	2913	RT	251947	12/4/2006	PREVENTATIVE MAINTENANCE	CLEANED VALVE- O/R INOP	-	300	300
CER	2913	RT	251727	12/13/2006	ENGINE	ENGINE BELT/ ENGINE FAN	303	792	1,095
CER	2913	RT	254622	12/20/2006	HYDRAULIC	REFER TO WORK-ORDER 251727	67	-	67
CER	2913	RT	255598	12/20/2006	INSPECTIONS	ANNUAL INSPECTION	195	-	195
CER	2913	RT	257764	1/8/2007	PREVENTATIVE MAINTENANCE	SERVICE PM-A	60	120	180
CER	2913	RT	266219	2/15/2007	TIRES	R.F. TIRE	1,017	-	1,017
CER	2913	RT	266981	2/21/2007	ELECTRICAL	BATTERIES	133	120	253
CER	2913	RT	265096	2/22/2007	HYDRAULIC	REPLACE HYD HOSES	13	2,376	2,389
CER	2913	RT	267734	2/23/2007	ENGINE	FUEL LEAK	-	144	144
CER	2913	RT	268070	2/26/2007	ENGINE	ENGINE NOISE	-	216	216
CER	2913	RT	259249	2/28/2007	PREVENTATIVE MAINTENANCE	DAMAGE ESTIMATE	7,960	-	7,960
CER	2913	RT	257455	3/9/2007	PREVENTATIVE MAINTENANCE	INSPECTION & REPAIRS	4,287	2,928	7,215
CER	2913	RT	272602	3/20/2007	ELECTRICAL	JUMPED OFF CRANE	-	24	24
CER	2913	RT	277042	4/14/2007	INSPECTIONS	OFFRENT INSPECTION & REPAIRS	14	240	254
CER	2913	RT	278082	4/16/2007	ELECTRICAL	ELEC. PROBLEM	182	336	518
CER	2913	RT	279799	4/24/2007	ELECTRICAL	ELEC. PROBLEM	-	240	240
CER	2913	RT	280702	5/1/2007	PREVENTATIVE MAINTENANCE	SERVICE PM-A	56	420	476
CER	2913	RT	284317	5/19/2007	HYDRAULIC	CHECK FOR HYDRAULIC LEAKS	-	312	312
CER	2913	RT	280580	5/21/2007	OUTRIGGERS	REPLACE OUTRIGGER HOLDING VAVLE	119	-	119
CER	2913	RT	280840	6/9/2007	INSPECTIONS	OFFRENT INSPECTION & REPAIRS	1,411	1,956	3,367
CER	2913	RT	288645	6/14/2007	HYDRAULIC	HYDRAULIC LEAK	25	168	193
CER	2913	RT	298271	7/28/2007	PREVENTATIVE MAINTENANCE	OUTRIGGER PAD	6	24	30

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
CER	2913	RT	305153	9/11/2007	INSPECTIONS	OFFRENT INSPECTION & REPAIRS	48	624	672
CER	2913	RT	313319	10/12/2007	HYDRAULIC	HYDRAULIC FLUID LEAKING OUT OF SWING MOTOR	96	552	648
CER	2913	RT	315984	10/23/2007	HYDRAULIC	HYDRAULIC LEAK	55	192	247
CER	2913	RT	314232	11/1/2007	HYDRAULIC	BAD HYDRAULIC HOSE	32	48	80
CER	2913	RT	317189	11/16/2007	HEATING AND AIR CONDITIONING	REPAIR AIR LEAK, CHECK ENGINE, DROPPING RPMS DURIN	299	168	467
CER	2913	RT	317182	12/6/2007	PREVENTATIVE MAINTENANCE	SERVICE PM-B	65	192	257
CER	2913	RT	325672	12/13/2007	PREVENTATIVE MAINTENANCE	PM-B SERVICE	67	192	259
CER	2913	RT	324118	12/13/2007	BRAKES	AIR LEAK AT BRAKE VALVE	-	984	984
CER	2913	RT	327946	12/26/2007	INSPECTIONS	ANNUAL INSPECTION	245	-	245
CER	2913	RT	321892	1/1/2008	COMPUTER SYSTEMS	MAIN WINCH	-	528	528
CER	2913	RT	327319	1/7/2008	HYDRAULIC	HYDRAULIC LEAK AT BOOM	-	216	216
CER	2913	RT	329809	1/7/2008	ENGINE	RUNNING ROUGH	9	432	441
CER	2913	RT	328783	1/7/2008	PREVENTATIVE MAINTENANCE	CHECK AIR SYSTEM	271	552	823
CER	2913	RT	340517	2/21/2008	PREVENTATIVE MAINTENANCE	SERVICE PM-A	43	96	139
CER	2913	RT	342036	2/21/2008	HYDRAULIC	CHECK CONTROL LEVERS, TROUBLESHOOT AND REPAIR HYDR	-	504	504
CER	2913	RT	329878	2/21/2008	HYDRAULIC	12-PORT AIR/HYDRAULIC SWIVEL LEAKING	1,412	996	2,408
CER	2913	RT	331738	2/21/2008	POST RENTAL INSPECTIONS	OFF RENT INSPECTION	332	2,220	2,552
CER	2913	RT	343266	2/29/2008	ELECTRICAL	NO BACKUP ALARM	4	180	184
CER	2913	RT	349684	3/28/2008	OUTRIGGERS	OUTRIGGER WILL NOT RETRACT	-	180	180
CER	2913	RT	363322	6/24/2008	PREVENTATIVE MAINTENANCE	SERVICE PM-A	42	144	186
CER	2913	RT	369066	7/30/2008	ELECTRICAL	REPAIR A2B CABLE	-	1,392	1,392
CER	2913	RT	361501	8/5/2008	PREVENTATIVE MAINTENANCE	OFF RENT INSPECTION	49	624	673
CER	2913	RT	371464	8/8/2008	ELECTRICAL	ELEC. PROBLEM	-	1,080	1,080
CER	2913	RT	372755	8/13/2008	HYDRAULIC	REPAIR HYD LEAK/SWIVEL	-	324	324
CER	2913	RT	373356	8/22/2008	POST RENTAL INSPECTIONS	OFF RENT INSEPTION	-	180	180
CER	2913	RT	375096	8/26/2008	PREVENTATIVE MAINTENANCE	SERVICE DUE	28	-	28
CER	2913	RT	373357	9/18/2008	POST RENTAL INSPECTIONS	00373356 - CREATED FROM INSPECTION WORK ORDER	2,128	5,628	7,756
CER	2913	RT	379176	9/25/2008	ELECTRICAL	UNIT WON'T START	-	48	48
CER	2913	RT	380618	10/7/2008	PREVENTATIVE MAINTENANCE	SERVICE PM-B	55	216	271
CER	2913	RT	380381	10/9/2008	INSPECTIONS	ANNUAL THIRD PARTY INSPECTION	250	-	250
CER	2913	RT	381200	10/16/2008	POST RENTAL INSPECTIONS	OFFRENT INSPECTION AND REPAIRS	3	384	387
CER	2913	RT	383497	10/20/2008	ENGINE	FUEL LEAK	-	144	144
CER	2913	RT	383513	10/21/2008	PREVENTATIVE MAINTENANCE	NEEDS FUEL FILTERS	9	120	129
CER	2913	RT	384163	10/27/2008	ENGINE	LEAKING ANTIFREEZE	-	72	72
CER	2913	RT	387833	11/17/2008	HYDRAULIC	HYDRAULIC LEAK	-	96	96
CER	2913	RT	389107	11/22/2008	HYDRAULIC	CHANGE HOSE	-	216	216
CER	2913	RT	390856	12/4/2008	HYDRAULIC	OIL LEAK ON TRANSMISSION	-	96	96
CER	2913	RT	390996	12/5/2008	HEATING AND AIR CONDITIONING	CHECK OUT, FIX HEATER	-	108	108
CER	2913	RT	392943	1/6/2009	POST RENTAL INSPECTIONS	OFFRENT INSPECTION AND REPAIRS	-	96	96
CER	2913	RT	395871	1/12/2009	PREVENTATIVE MAINTENANCE	HOSE BLOWN. SPILLED 30 GALLONS OF OIL. CLEAN UP.	-	468	468
CER	2913	RT	393890	2/5/2009	PREVENTATIVE MAINTENANCE	INSPECT AND REPAIR	165	1,848	2,013
CER	2913	RT	408855	4/10/2009	PREVENTATIVE MAINTENANCE	OC PM-A HRS.3764.0	-	96	96
CER	2913	RT	411355	5/22/2009	PREVENTATIVE MAINTENANCE	CHECK LEAK	47	1,584	1,631