

Maxim Crane Works, LP

5 Year Maintenance History Summary

3028

170 ton

DEMAG AC140

2004

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
FLA	3028	HYD	93219	12/20/2004	PREVENTATIVE MAINTENANCE	CHECH IN NEW MACHINE	1,978	1,752	3,730
FLA	3028	HYD	118656	4/15/2005	PREVENTATIVE MAINTENANCE	SERVICE UPPER AND LOWER	306	1,164	1,470
FLA	3028	HYD	106202	4/22/2005	ELECTRICAL	WORK ON ELECTRICAL	35	2,436	2,471
FLA	3028	HYD	130819	6/6/2005	PREVENTATIVE MAINTENANCE	SERVICE UPPER AND LOWER	-	1,344	1,344
FLA	3028	HYD	126266	6/8/2005	ELECTRICAL	UPPER ENG. WON'T START/HYD LEAK	-	492	492
FLA	3028	HYD	134480	6/23/2005	ELECTRICAL	REPAIR ATB,REPLACE AIR CYL ON DOLLY	146	240	386
FLA	3028	HYD	137933	7/13/2005	PREVENTATIVE MAINTENANCE	SERVICE	206	384	590
FLA	3028	HYD	129425	7/20/2005	OUTRIGGERS	REPLACE OUTRIGGER PAD BRACKETS	1,681	612	2,293
FLA	3028	HYD	136850	9/23/2005	COMPUTER SYSTEMS	REPAIR COMPT	146	384	530
FLA	3028	HYD	143927	11/1/2005	ELECTRICAL	REPAIR ELECTRICAL AFTER CRANE RAN INTO POWERLINE	13,052	8,385	21,437
FLA	3028	HYD	164763	11/10/2005	BOOM	PERFORM RETAINER CWT SERVICE BULLETIN UM 14-05	-	120	120
FLA	3028	HYD	164766	11/10/2005	ENGINE	PERFORM SERVICE BULLETIN 05-004, CRACKS IN AIR	-	120	120
FLA	3028	HYD	173379	12/12/2005	PREVENTATIVE MAINTENANCE	SERVICE UPPER AND LOWER	333	398	730
FLA	3028	HYD	174463	12/16/2005	ELECTRICAL	PERFORM REEL MODIFICATION P/N 21958112A IN REAR OF	-	428	428
FLA	3028	HYD	176571	12/30/2005	HYDRAULIC	INSTALL SOLENOID SWITCH FOR HOIST - INSPECT REPAIR	-	96	96
FLA	3028	HYD	178016	1/7/2006	ELECTRICAL	TRAINING ON REPAIR AND OPERATION	-	1,176	1,176
FLA	3028	HYD	179536	2/3/2006	OUTRIGGERS	OUTRIGGER LOCK PINS MISSING	54	-	54
FLA	3028	HYD	181575	2/3/2006	FRAME AND CHASSIS	BOOM HITS CAB	876	744	1,620
FLA	3028	HYD	147359	2/20/2006	FRAME AND CHASSIS	REPAIR FIRE DAMAGE TO UNIT FROM ORLANDO FLA	50,411	31,905	82,316
FLA	3028	HYD	182271	2/23/2006	RIGGING	NEED SLING FOR COUNTERWEIGHT	526	-	526
FLA	3028	HYD	186410	2/23/2006	ENGINE	LOW POWER - FUEL FILTER SUSPECTED	-	672	672
FLA	3028	HYD	189434	2/28/2006	RIGGING	RIGGING	248	-	248
FLA	3028	HYD	185652	3/3/2006	WELDING	DOLLY DAMAGED AT SUPPORT / REMOVE AND REWELD BRACK	-	528	528
FLA	3028	HYD	194766	3/24/2006	OUTRIGGERS	OUTRIGGER BRACKET CRACKED	-	312	312
FLA	3028	HYD	198790	4/7/2006	PREVENTATIVE MAINTENANCE	PM	94	588	682
FLA	3028	HYD	200437	4/14/2006	PNEUMATIC SYSTEMS	AIR LEAK IN BRAKE SYSTEM	-	792	792
FLA	3028	HYD	199510	5/5/2006	HYDRAULIC	HYDRAULIC FLUID IN LOWER DISCOLORED	30	768	798
FLA	3028	HYD	207292	5/26/2006	PNEUMATIC SYSTEMS	NO BRAKE AIR - LINE BLEW?	-	684	684
FLA	3028	HYD	212032	6/9/2006	HOIST / WINCH	ASSIST OPERATOR IN INSTALL AUX HOIST PER DISPATCH	-	396	396
FLA	3028	HYD	209160	6/16/2006	COMPUTER SYSTEMS	ASSIST DEMAG IN UPGRADES	365	300	665
FLA	3028	HYD	209976	6/23/2006	PREVENTATIVE MAINTENANCE	PM	471	420	891
FLA	3028	HYD	217451	6/30/2006	ENGINE	LOW POWER - FDDA AND TEREX - TEREX SUPPLIED THROTT	1,505	-	1,505
FLA	3028	HYD	211083	7/25/2006	ENGINE	BELT OFF UPPER ENGINE	184	360	544
FLA	3028	HYD	225096	8/14/2006	ENGINE	INSPECT LOWER ENGINE OIL LEAK	-	420	420
FLA	3028	HYD	227724	8/18/2006	FABRICATION	INSTALL BECON LIGHT AND FLAG HOLDER FOR AIRPORT RE	289	288	577
FLA	3028	HYD	232088	9/1/2006	COMPUTER SYSTEMS	CHECK TWO BLOCK ON JIB	-	432	432
FLA	3028	HYD	224436	9/1/2006	COMPUTER SYSTEMS	COMPUTER DOWN FOR ANGLE INDICATOR AND SWITCH	1,098	384	1,482
FLA	3028	HYD	233753	9/20/2006	PREVENTATIVE MAINTENANCE	REPLACE LADDER	189	-	189
FLA	3028	HYD	216145	9/29/2006	HYDRAULIC	FLUID LEAKS - CWT CYLINDER PROBLEMS	184	1,212	1,396
FLA	3028	HYD	239903	10/12/2006	BOOM	INSTALL AND TEST TWO LAST SECTIONS OF JIB MAX EXT	-	480	480
FLA	3028	HYD	236786	10/14/2006	PREVENTATIVE MAINTENANCE	PM A SERVICE	698	600	1,298
FLA	3028	HYD	241980	10/19/2006	FRAME AND CHASSIS	REPLACE LADDER ON CRANE	255	-	255
FLA	3028	HYD	212956	11/17/2006	HOIST / WINCH	AUX WINCH DAMAGED - FELL OVER DURING UNLOADING	1,043	2,760	3,803
FLA	3028	HYD	247195	11/27/2006	CAB	REPLACE UPPER CAB WIPER ARM STRIPPED	313	-	313
FLA	3028	HYD	252242	12/7/2006	INSPECTIONS	ANNUAL DOT INSPECTION	-	192	192
FLA	3028	HYD	252240	12/7/2006	INSPECTIONS	ANNUAL CRANE INSPECTION	-	384	384
FLA	3028	HYD	246177	12/29/2006	PNEUMATIC SYSTEMS	MACHINE NOT BUILDING AIR	433	1,944	2,377
FLA	3028	HYD	256574	12/29/2006	ENGINE	LOSS OF POWER	6,082	-	6,082
FLA	3028	HYD	257751	1/13/2007	HOIST / WINCH	INSTALL AUXILLARY WINCH AND TEST	301	1,224	1,525
FLA	3028	HYD	258593	1/27/2007	HYDRAULIC	BOOM HOIST REPAIR	578	-	578

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
FLA	3028	HYD	268332	3/8/2007		TIRES REPAIR RIGHT REAR TIRE	244	-	244
FLA	3028	HYD	269911	3/8/2007		INSPECTIONS MAGNAFLUX PARTICLE INSPECTION PREFORMED 3RD PARTY	422	-	422
FLA	3028	HYD	279733	5/1/2007		PREVENTATIVE MAINTENANCE PM SERVICE	279	384	663
FLA	3028	HYD	274062	5/18/2007		ELECTRICAL CHECK FOR OIL LEAKS/REPAIR UPPER LIGHT	467	1,536	2,003
FLA	3028	HYD	287425	6/8/2007		PREVENTATIVE MAINTENANCE ORDER DECALS AND SHIP TO ORLANDO	702	-	702
FLA	3028	HYD	299453	9/3/2007		PREVENTATIVE MAINTENANCE PM SERVICE	387	504	891
FLA	3028	HYD	306724	9/14/2007		PREVENTATIVE MAINTENANCE GREASE CRANE AND SERVICE LOWER	34	528	562
FLA	3028	HYD	307345	10/9/2007		CAB REPLACE DAMAGED DOOR ON UPPER	1,422	-	1,422
FLA	3028	HYD	312757	11/8/2007		INSPECTIONS ANNUAL DOT INSPECTION	-	120	120
FLA	3028	HYD	319262	11/8/2007		INSPECTIONS ANNUAL DOT	-	120	120
FLA	3028	HYD	316430	11/8/2007		INSPECTIONS ANNUAL CRANE INSPECTION	-	648	648
FLA	3028	HYD	323658	12/1/2007		PREVENTATIVE MAINTENANCE HELP REMOVE AUX WINCH	-	240	240
FLA	3028	HYD	313459	12/1/2007		FRAME AND CHASSIS CHECK SUSPENSION LEAK VALVE BODY	-	384	384
FLA	3028	HYD	315890	12/1/2007		HOIST / WINCH MAIN WINCH STICKING	725	444	1,169
FLA	3028	HYD	316049	12/1/2007		ENGINE REPLACE THE ADM COMPUTER ON THE LOWER ENGINE	1,300	-	1,300
FLA	3028	HYD	291686	12/1/2007		DRIVE TRAIN CHECK TRANSMISSION LOSS OF POWER	2,017	3,192	5,209
FLA	3028	HYD	326990	12/31/2007		ENGINE REPLACED FUEL LINES	231	432	663
FLA	3028	HYD	322179	12/31/2007		ENGINE ENGINE, TRANS SHUT DOWN	3,365	1,020	4,385
FLA	3028	HYD	327114	1/13/2008		PREVENTATIVE MAINTENANCE PM SERVICE	537	576	1,113
FLA	3028	HYD	331434	1/31/2008		ENGINE INSTALLED BATTERIES ON LOWER ENGINE	283	-	283
FLA	3028	HYD	340931	2/28/2008		HYDRAULIC REPAIR HYDRAULIC LINE AND ORDER BATTERY COVER	473	768	1,241
FLA	3028	HYD	339005	2/28/2008		CAB WIRING CAB	1,591	600	2,191
FLA	3028	HYD	325777	2/28/2008		COMPUTER SYSTEMS CHECK STEERING COMPUTER	2,576	1,716	4,292
FLA	3028	HYD	344082	3/19/2008		BOOM UPPER CABLE GUIDES ON BOOM WORN	939	-	939
FLA	3028	HYD	352541	4/21/2008		CAB CHECK C3 DEFICIENCIES, TIRE WEAR, REPAIR OUT RIGGE	-	1,104	1,104
FLA	3028	HYD	341112	4/21/2008		CAB REPAIR AUTOMATIC GREASER	699	1,440	2,139
FLA	3028	HYD	343954	5/5/2008		HYDRAULIC CHECK COOLING FAN ON UPPER HYDRAULICS FAN STAYS RU	1,524	624	2,148
FLA	3028	HYD	353785	5/15/2008		PREVENTATIVE MAINTENANCE PM SERVICE	567	576	1,143
FLA	3028	HYD	358277	5/22/2008		ENGINE CHECK LOWER ENGINE LOSS OF POWER	-	168	168
FLA	3028	HYD	354194	5/22/2008		TIRES FLAT REPAIR - ROTATE STUD	366	-	366
FLA	3028	HYD	362308	6/19/2008		ENGINE UPPER ENGINE PERIODICALLY RUNNING HOT	251	1,212	1,463
FLA	3028	HYD	363367	6/30/2008		HYDRAULIC CHECK OUT UPPER AUX WINCH LINES LEAKING	-	48	48
FLA	3028	HYD	368374	7/16/2008		TIRES TIRES LEFT OFF WO FROM 4/19/08	254	-	254
FLA	3028	HYD	353684	7/22/2008		ELECTRICAL REPLACE BOTH TAIL LIGHTS	210	168	378
FLA	3028	HYD	366640	7/22/2008		HYDRAULIC REPAIR HYDRAULIC LEAK ON LOWER SUSPENSION REPLACE	-	1,428	1,428
FLA	3028	HYD	361312	7/22/2008		ELECTRICAL CHECK LOWER FAN MOTOR FOR AC	599	2,184	2,783
FLA	3028	HYD	369421	7/30/2008		COMPUTER SYSTEMS HEAD ANGLE SENSOR FAILURE	1,163	492	1,655
FLA	3028	HYD	370674	8/14/2008		ENGINE CHECK LOWER STARTING ISSUE	-	96	96
FLA	3028	HYD	372278	8/19/2008		HYDRAULIC RESEAL OUTRIGGER BEAM CYLINDER	300	-	300
FLA	3028	HYD	372121	8/20/2008		BOOM CHECK CRANE FUNCTIONS AFTER ACCIDENT	-	396	396
FLA	3028	HYD	371581	8/20/2008		OUTRIGGERS INSPECT MAIN HOIST LEAK AND FUEL TANK TREATMENT	-	672	672
FLA	3028	HYD	375802	9/8/2008		ELECTRICAL REPAIR WIRING AT BACK OF CAB	-	1,056	1,056
FLA	3028	HYD	366643	9/8/2008		ENGINE CHECK ENGINE LIGHT IN UPPER	-	1,224	1,224
FLA	3028	HYD	373946	9/8/2008		PREVENTATIVE MAINTENANCE PM SERVICE B 1000 HOUR	565	744	1,309
FLA	3028	HYD	377561	9/18/2008		INSPECTIONS ANNUAL CRANE INSPECTION	-	192	192
FLA	3028	HYD	377562	9/18/2008		INSPECTIONS ANNUAL DOT INSPECTION	-	192	192
FLA	3028	HYD	377423	9/30/2008		PREVENTATIVE MAINTENANCE REPLACE WORN WIPER BLADES	156	-	156
FLA	3028	HYD	382784	10/29/2008		PREVENTATIVE MAINTENANCE MAGNETIC PARTICLE INSPECTION ON ALL HOOKS ON CRANE	102	-	102
FLA	3028	HYD	382863	10/29/2008		COMPUTER SYSTEMS CHECK THE CODES ON THE LOWER	-	312	312
FLA	3028	HYD	380028	10/29/2008		CAB REPAIR UPPER AC	651	96	747

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
FLA	3028	HYD	382959	10/31/2008	PREVENTATIVE MAINTENANCE	REPLACE UPPER COOLANT RESERVOIR AND DOOR HANDLE	270	96	366
FLA	3028	HYD	383849	11/12/2008	ELECTRICAL	CHANGE THE ELECTRIC WIRING ON DOLLY	-	48	48
FLA	3028	HYD	388940	11/26/2008	CAB	REPAIR UPPER CONSOL DOOR	136	192	328
FLA	3028	HYD	387168	11/30/2008	ENGINE	FUEL SYSTEM ISSUE	26	216	242
FLA	3028	HYD	391499	12/31/2008	PREVENTATIVE MAINTENANCE	CLEAN AND DRAIN LOWER FUEL CELL	-	600	600
FLA	3028	HYD	391497	12/31/2008	PREVENTATIVE MAINTENANCE	PM SERVICE	462	888	1,350
FLA	3028	HYD	399827	2/23/2009	DRIVE TRAIN	CHECK STEER CODES IN LOWER COMPUTER AND AIR LEAK	-	648	648
FLA	3028	HYD	403425	3/18/2009	PNEUMATIC SYSTEMS	REPAIR AIR SOLENOID VALVE LEAKING	-	264	264
FLA	3028	HYD	403146	3/18/2009	HEATING AND AIR CONDITIONING	AIR CONDITIONER STOPPED WORKING	591	-	591
FLA	3028	HYD	398352	3/19/2009	RIGGING	ORDER RIGGING FOR DISPATCH	407	-	407
FLA	3028	HYD	412547	4/30/2009	PREVENTATIVE MAINTENANCE	PM SERVICE DUE	121	768	889

Work Order Estimate

Work Order #	143927
Branch	ORL
Bill to Branch	ORL
Customer Number	0
Equipment Model	AC140
Equipment Class	170
Description of Problem	
Work Order Desc.	REPAIR ELECTRICAL AFTER CRANE RAN INTO POWERLINE
Reviewed by	
Reviewers Comments	
Review Date	

Authorized By	Approved RentalMan
Authorized Date	
Created By	SHEILAH
Date Opened	07/29/2005
Equipment Number	3028
Equipment Make	DEMAG
Equipment Category	60

	<i>Estimate</i>	<i>Actual</i>
Labor Total \$	\$0.00	\$8,772.00
Parts Total \$	\$0.00	\$13,052.18
Misc Charge	\$0.00	\$0.00
Total \$	\$0.00	\$21,824.18

Labor

Code	Description	Estimate	Actual	Rate	Total
5348	TROUBLE SHOOT ELECTRICAL SYSTEM & REPAIR	0	\$0.00	152.5	\$8,436.00
6020	TRAVEL TIME TO AND FROM SERVICE CALL	0	\$0.00	6	\$336.00
Totals:		0	\$0.00	158.5	\$8,772.00

Parts

Code	Description	Estimate	Actual	Rate	Total
	OUTSIDE REBUILD	0	\$0.00	1	\$63.80
	TIRE REPAIR	0	\$0.00	2	\$129.80
	TIRE REPAIR	0	\$0.00	2	\$28.00
	TIRE REPAIR	0	\$0.00	2	\$60.00
	TIRE REPAIR	0	\$0.00	2	\$2.00
	FREIGHT ON EQUIPMENT	0	\$0.00	1	\$5,598.25
	FREIGHT ON EQUIPMENT	0	\$0.00	1	\$862.00
	FREIGHT ON EQUIPMENT	0	\$0.00	1	\$862.00
	FREIGHT ON EQUIPMENT	0	\$0.00	1	\$862.00
FL	FILTER	0	\$0.00	4	\$340.45
HW	HARDWARE	0	\$0.00	1	\$330.36
TI	TIRES	0	\$0.00	2	\$3,913.52
Totals:		0	\$0.00	20	\$13,052.18

Other

	Nothing Found				
Totals:					

Work Order Estimate

Work Order #	147359
Branch	RBS
Bill to Branch	ORL
Customer Number	0
Equipment Model	AC140
Equipment Class	170
Description of Problem	
Work Order Desc.	REPAIR FIRE DAMAGE TO UNIT FROM ORLANDO FLA
Reviewed by	
Reviewers Comments	
Review Date	

Authorized By	Approved
Authorized Date	
Created By	JOBYG
Date Opened	08/15/2005
Equipment Number	3028
Equipment Make	DEMAG
Equipment Category	60

	Estimate	Actual
Labor Total \$	\$28,680.00	\$32,025.00
Parts Total \$	\$0.00	\$50,410.57
Misc Charge	\$0.00	\$0.00
Total \$	\$28,680.00	\$82,435.57

Labor

Code	Description	Estimate	Rate	Estimate	Actual
5110	CRANE DISASSEMBLY	60	\$1,800.00	48	\$1,440.00
5654	PREP AND PAINT SHEET METAL, BOOM & MISC PARTS	80	\$2,400.00	80	\$2,400.00
5671	RECONDITION AIR SYSTEMS	160	\$4,800.00	145.5	\$4,410.00
5706	REPAIR SHEET METAL	40	\$1,200.00	60	\$1,800.00
5876	INITIAL INSPECTION & ESTIMATE	0	\$0.00	0	\$0.00
5877	ESTIMATE APPROVAL	0	\$0.00	0	\$0.00
5880	REPAIR/REPLACE ENGINE LOWER	16	\$480.00	0	\$0.00
5882	RECONITION CHASSIS	160	\$4,800.00	113	\$3,405.00
5883	RECONDITION HYDRAULIC SYSTEM	160	\$4,800.00	148	\$4,522.50
5885	RECONDITION ELECTRICAL SYSTEM	160	\$4,800.00	190.5	\$5,887.50
5890	CRANE REASSEMBLY	80	\$2,400.00	253.5	\$8,160.00
5891	FINAL INSPECTION AND RECERTIFICATION	40	\$1,200.00	0	\$0.00
Totals:		956	\$28,680.00	1,038.5	\$32,025.00

Parts

Code	Description	Estimate	Rate	Estimate	Actual
.	SMALL TOOLS PURCHASE OR TOOL RENTAL	0	\$0.00	1	\$51.25
.	SMALL TOOLS PURCHASE OR TOOL RENTAL	0	\$0.00	1	\$66.29
.	SMALL TOOLS PURCHASE OR TOOL RENTAL	0	\$0.00	1	\$47.78
.	SMALL TOOLS PURCHASE OR TOOL RENTAL	0	\$0.00	1	\$18.50
.	SMALL TOOLS PURCHASE OR TOOL RENTAL	0	\$0.00	2	\$119.60
.	SMALL TOOLS PURCHASE OR TOOL RENTAL	0	\$0.00	2	\$119.60
.	OUTSIDE REBUILD	0	\$0.00	1	\$207.84
.	OUTSIDE REBUILD	0	\$0.00	1	\$3,602.57
AI	AIR FLOW	0	\$0.00	1	\$103.13
BL	BELT	0	\$0.00	1	\$153.67
BT	BATTERY	0	\$0.00	2	\$199.98
CA	CARRIER	0	\$0.00	5	\$9,583.30
CB	CABLE ASSEMBLY	0	\$0.00	4	\$384.25
CH	CHEMICALS	0	\$0.00	3	\$315.00
DC	DECALS	0	\$0.00	9	\$182.14
DT	DRIVETRAIN	0	\$0.00	13	\$1,125.85
EL	ELECTRICAL	0	\$0.00	109	\$9,141.01
EP	ENGINE PARTS	0	\$0.00	15	\$4,431.92
FL	FILTER	0	\$0.00	1	\$23.59
FT	FITTINGS	0	\$0.00	418	\$3,101.93
GS	GASKET	0	\$0.00	2	\$4.86
HC	HYDRAULIC COMPONENTS	0	\$0.00	66	\$4,592.59
HS	HOSES	0	\$0.00	614	\$4,854.05
HW	HARDWARE	0	\$0.00	646	\$7,045.38

LT	LIGHTS	0	\$0.00	5	\$97.20
MS	MISCELLANEOUS	0	\$0.00	6	\$62.46
PT	PAINT	0	\$0.00	11	\$278.80
SK	SEAL KIT	0	\$0.00	1	\$107.45
VV	VALVES	0	\$0.00	5	\$388.58
Totals:		0	\$0.00	1,947	\$50,410.57

Other

Nothing Found					
Totals:					