

Maxim Crane Works, LP

5 Year Maintenance History Summary

1380 230 ton MANITOWOC 4100W S2 1988

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
NER	1380	CC	3042	6/18/2003	PREVENTATIVE MAINTENANCE	SERVICE ENGINE. CHECK OVER & REPAIR AIR LEAKS.	-	1,296	1,296
NER	1380	CC	4178	6/26/2003	PREVENTATIVE MAINTENANCE	INSPECT AND REPAIR DRUM BRAKES ON HOIST.	-	960	960
NER	1380	CC	15757	10/20/2003	PREVENTATIVE MAINTENANCE	SHIP ROTATION INDICATOR CABLE AND WHEEL TO GOETTLE	747	-	747
NER	1380	CC	20797	12/11/2003	INSPECTIONS	PERFORM ANNUAL INSPECTION & REPLACE AIR SKINNER	428	1,296	1,724
NER	1380	CC	33399	1/12/2004	HYDRAULIC	SHIP STEEL HYDRO LINE TO GOETTLE AT KY DAM	278	-	278
NER	1380	CC	38078	2/28/2004	PREVENTATIVE MAINTENANCE	SHIP OIL SEAL FOR SWING CASE TO HOWARD WALKER	707	-	707
NER	1380	CC	44399	3/23/2004	ASSEMBLY NON BILLABLE	ASSIST IN BOOMING DOWN RINGER TO MOVE AND	-	1,104	1,104
NER	1380	CC	62888	6/8/2004	DRIVE TRAIN	SHIP TORQUE CONVETOR TEMP. GAUGE & SENDER TO	88	-	88
NER	1380	CC	75969	8/18/2004	COMPUTER SYSTEMS	SHIP A.2.B. LOAD CELL BATTERY TO GOETTLE TO	35	-	35
NER	1380	CC	64921	8/19/2004	PREVENTATIVE MAINTENANCE	SERVICE ENGINE.	473	528	1,001
NER	1380	CC	82454	9/28/2004	ASSEMBLY NON BILLABLE	BOOM RINGER DOWN, MOVE THRU LOCKS AND SET BACK	-	1,200	1,200
NER	1380	CC	100903	1/25/2005	LOAD DRUM / ROTEX	REPAIR SWING PROBLEM: DRAIN SUMP OIL, DISASSEMBLE	1,681	5,208	6,889
NER	1380	CC	119939	4/23/2005	ELECTRICAL	SHIP BOOM HOIST CHARGE PRESSURE GAUGE TO GLENN	198	-	198
NER	1380	CC	128742	5/17/2005	PREVENTATIVE MAINTENANCE	SERVICE ENGINE.	140	384	524
NER	1380	CC	128741	6/7/2005	ENGINE	CHECK AND REPAIR STARTING PROBLEM.	377	1,032	1,409
NER	1380	CC	155850	9/28/2005	PREVENTATIVE MAINTENANCE	COMPLETE - SERVICE ENGINE,GREASE CASES	93	1,932	2,025
NER	1380	CC	156148	10/31/2005	EXHAUST	REPAIR EXHAUST	1,206	264	1,470
NER	1380	CC	189548	3/3/2006	PREVENTATIVE MAINTENANCE	SERVICE ENGINE	527	1,272	1,799
NER	1380	CC	192666	3/14/2006	PNEUMATIC SYSTEMS	REPAIR AIR THROTTLE	-	288	288
NER	1380	CC	195362	4/5/2006	ENGINE	CHECK ENGINE FOR COOLANT LEAK	344	2,160	2,504
NER	1380	CC	205090	5/18/2006	BOOM	REPAIR LACING IN BACK MAST AND #27 WORKING BOOM	435	4,128	4,563
NER	1380	CC	209415	7/5/2006	ENGINE	REPLACE ENGINE IN BOLOXI, MS.	20,174	2,280	22,454
NER	1380	CC	224468	7/31/2006	PREVENTATIVE MAINTENANCE	PM-A SERVICE	-	432	432
NER	1380	CC	229985	8/23/2006	ENGINE	CHARGE FOR SUPPLIES AND PART SUPPLIED BY H&E PER	1,035	-	1,035
NER	1380	CC	231478	10/3/2006	HYDRAULIC	REPLACE BOOM HOIST PUMP AND MOTOR THAT WAS DAMAGED	5,062	1,152	6,214
NER	1380	CC	268090	3/10/2007	BILLABLE DISASSEMBLY	DIS ASSEMBLE MACHINE IN RINGER GRANITE ARCHER	-	2,688	2,688
NER	1380	CC	280514	5/1/2007	INSPECTIONS	ANNUAL INSPECTION	-	168	168
NER	1380	CC	278827	5/1/2007	PREVENTATIVE MAINTENANCE	SERVICE ENGINE	68	1,524	1,592
NER	1380	CC	282545	5/14/2007	ELECTRICAL	INSTALL GPS SYSTEM, CHECK OVER FOR MISC REPAIRS	55	288	343
NER	1380	CC	284497	6/2/2007	ELECTRICAL	SUPPLY OPERATOR WITH DISCONNECT SWITCH	425	1,200	1,625
NER	1380	CC	285092	6/11/2007	INSPECTIONS	3RD PARTY INSPECTION FOR RINGER ON CRANE	1,431	-	1,431
NER	1380	CC	282446	6/13/2007	PAINTING	JUST CLEANED AND CLEARED UPPER NEW DECALS	4,518	-	4,518
NER	1380	CC	294697	8/1/2007	ENGINE	ON-SITE MAINTENANCE - BECHTEL	92	492	584
NER	1380	CC	306078	10/8/2007	PREVENTATIVE MAINTENANCE	OC W/O SERVICE DUE- ERGON	31	4,320	4,351
NER	1380	CC	306737	10/22/2007	HYDRAULIC	REMOVE SWING SHAFT TO REPAIR	25,450	-	25,450
NER	1380	CC	312079	10/29/2007	ENGINE	FUEL PUMP OUT SENT TO GET REBUILT	222	-	222
NER	1380	CC	315688	11/7/2007	INSPECTIONS	POST-INCIDENT MAINTENANCE - ANNUAL INSPECTION	1,033	300	1,333
NER	1380	CC	315650	11/8/2007	BOOM	IN-SHOP REPAIRS - BOOM LACING REPAIR	105	1,224	1,329
NER	1380	CC	326923	12/21/2007	ENGINE	SERVICE CALL-SAMIS PLANT	-	1,224	1,224
NER	1380	CC	322966	12/21/2007	EXHAUST	ON-SITE SERVICE - BECHTEL	694	972	1,666
NER	1380	CC	325889	12/26/2007	INSPECTIONS	ANNUAL INSPECTION	-	624	624
NER	1380	CC	325324	12/26/2007	PREVENTATIVE MAINTENANCE	SERVICE CALL ENGINE SERVICE - SAMIS PLANT	150	3,348	3,498
NER	1380	CC	328271	1/14/2008	ENGINE	SERVICE CALL- CHANGE STARTER AGAIN	1,102	1,980	3,082
NER	1380	CC	331948	1/18/2008	PREVENTATIVE MAINTENANCE	TIME CORRECTION FOR RICH ORBIN	-	48	48
NER	1380	CC	332893	1/29/2008	ELECTRICAL	SERVICE CALL- NEEDS NEW BATTERIES	863	912	1,775
NER	1380	CC	333983	1/31/2008	PREVENTATIVE MAINTENANCE	PM ENGINE SERVICE DUE	363	-	363
NER	1380	CC	346191	3/27/2008	ELECTRICAL	GPS SYSTEM NOT FUNCTIONING	-	1,032	1,032
NER	1380	CC	346271	4/4/2008	PREVENTATIVE MAINTENANCE	PM SERVICE DUE - SERVICE DONE BY OPERATOR	580	-	580
NER	1380	CC	352580	4/30/2008	CAB	NEED A KNOB FOR DRUM CONTROLLERS	289	-	289

Region	Unit #	Type	WO #	Date Closed	Labor Code	WO Description	\$ Parts	\$ Labor	\$ Total
NER	1380	CC	355240	5/13/2008	PREVENTATIVE MAINTENANCE	PM-ENGINE SERVICE	147	-	147
NER	1380	CC	358552	5/20/2008	INSPECTIONS	INSPECTION DONE BY CRAWFORD CUSTOM CONSULTING	1,200	-	1,200
NER	1380	CC	358417	6/9/2008	PREVENTATIVE MAINTENANCE	PM-ENGINE SERVICE DUE	377	780	1,157
NER	1380	CC	364594	7/21/2008	PREVENTATIVE MAINTENANCE	PM-ENGINE SERVICE	24	-	24
NER	1380	CC	372168	8/18/2008	PREVENTATIVE MAINTENANCE	PM-ENGINE SERVICE DUE	1,551	636	2,187
NER	1380	CC	362145	8/29/2008	BOOM	INSTALL USED SHEAVE AND SHAFT IN HEAD SECTION	6,000	-	6,000
NER	1380	CC	375272	9/11/2008	HYDRAULIC	INSTALL NEW SUMP PUMP CHANGE SUMP OIL	488	1,716	2,204
NER	1380	CC	378380	9/17/2008	PREVENTATIVE MAINTENANCE	FILTER	8	-	8
NER	1380	CC	382953	10/16/2008	PREVENTATIVE MAINTENANCE	PM SERVICE	54	816	870
NER	1380	CC	380538	10/16/2008	CAB	NEED A CONTROL LEVER IN CAB	328	780	1,108
NER	1380	CC	387685	11/18/2008	PREVENTATIVE MAINTENANCE	BARG NEEDS NEW TRANSFER PUMP	199	708	907
NER	1380	CC	379189	12/16/2008	BOOM	REPLACEMENT HEAD SHAFT	3,350	-	3,350
NER	1380	CC	392732	1/26/2009	ELECTRICAL	SERVICE CALL- GPS NOT WORKING	215	852	1,067
NER	1380	CC	398277	2/3/2009	PREVENTATIVE MAINTENANCE	PM-ENGINE SERVICE DUE	133	-	133
NER	1380	CC	398485	2/15/2009	HOIST / WINCH	HOIST BRAKE PROBLEMS	-	456	456
NER	1380	CC	396152	2/15/2009	ENGINE	OPERATOR CALLED -SUMP PUMP FROZEN	564	600	1,164
NER	1380	CC	411431	4/20/2009	PREVENTATIVE MAINTENANCE	SERVICE WAS DONE BY OPERATOR PATRICK STIENER	54	-	54
NER	1380	CC	412486	5/8/2009	PREVENTATIVE MAINTENANCE	CHANGED HYD FILTERS ON THE SPUD AND THE RINGER	149	-	149
NER	1380	CC	415039	5/21/2009	HYDRAULIC	CHECK OUT NOISE WHEN SWINGING	1,858	1,500	3,358

Work Order Estimate

Work Order #	209415
Branch	CRL
Bill to Branch	CRL
Customer Number	0
Equipment Model	4100WSII
Equipment Class	230
Description of Problem	
Work Order Desc.	REPLACE ENGINE IN BOLOXI, MS.
Reviewed by	
Reviewers Comments	
Review Date	

Authorized By	Approved RentalMan
Authorized Date	
Created By	ROBS
Date Opened	05/22/2006
Equipment Number	1380
Equipment Make	MANITOWOC
Equipment Category	20

	<i>Estimate</i>	<i>Actual</i>
Labor Total \$	\$0.00	\$2,280.00
Parts Total \$	\$0.00	\$20,174.03
Misc Charge	\$0.00	\$0.00
Total \$	\$0.00	\$22,454.03

Labor

Code	Description	Hours	Rate	Total	Amount
4726	R&R ENGINE	0	\$0.00	39.5	\$1,896.00
6020	TRAVEL TIME TO AND FROM SERVICE CALL	0	\$0.00	8	\$384.00
Totals:		0	\$0.00	47.5	\$2,280.00

Parts

Code	Description	Quantity	Unit Price	Total	Amount
EN	WHOLE ENGINES	0	\$0.00	2	\$18,899.97
GS	GASKET	0	\$0.00	2	\$44.88
HC	HYDRAULIC COMPONENTS	0	\$0.00	1	\$193.26
HS	HOSES	0	\$0.00	3	\$42.78
HW	HARDWARE	0	\$0.00	4	\$993.14
Totals:		0	\$0.00	12	\$20,174.03

Other

	Nothing Found				
Totals:					

Work Order Estimate

Work Order #	306737
Branch	WLD
Bill to Branch	WLD
Customer Number	0
Equipment Model	4100WSII
Equipment Class	230
Description of Problem	
Work Order Desc.	REMOVE SWING SHAFT TO REPAIR
Reviewed by	Rob Pearce
Reviewers Comments	
Review Date	09/12/2007

Authorized By	Approved Bryan Carlisle
Authorized Date	09/17/2007
Created By	TAMMYT
Date Opened	09/17/2007
Equipment Number	1380
Equipment Make	MANITOWOC
Equipment Category	20

	<i>Estimate</i>	<i>Actual</i>
Labor Total \$	\$4,320.00	\$0.00
Parts Total \$	\$4,600.00	\$25,449.55
Misc Charge	\$0.00	\$0.00
Total \$	\$8,920.00	\$25,449.55

Labor

Code	Description	Hours	Rate	Total	Actual
6094	REBUILD/REPLACE SWING SYSTEM	90	\$4,320.00	0	\$0.00
Totals:		90	\$4,320.00	0	\$0.00

Parts

Code	Description	Quantity	Rate	Total	Actual
	OUTSIDE REBUILD	0	\$0.00	1	\$21,919.73
	OUTSIDE REBUILD	0	\$0.00	1	\$3,529.82
	OUTSIDE REBUILD	1	\$4,600.00	0	\$0.00
Totals:		1	\$4,600.00	2	\$25,449.55

Other

Code	Description	Quantity	Rate	Total	Actual
	Nothing Found				
Totals:					