

# Shop Manager Help

Version 5



**WheelShop**  
**automation.com**

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# Table of Contents

Foreword	0
<b>Part I Overview</b>	<b>4</b>
<b>Part II ToolBar</b>	<b>5</b>
<b>Part III Login to Server</b>	<b>6</b>
<b>Part IV LogOut from Server</b>	<b>8</b>
<b>Part V Print Mount Report for Current Wheelset</b>	<b>9</b>
<b>Part VI Preview Mount Report for Current Wheelset</b>	<b>10</b>
<b>Part VII Print Mount Reports for all Wheelsets Selected</b>	<b>11</b>
<b>Part VIII Preview Mount Reports for all Wheelsets Selected</b>	<b>12</b>
<b>Part IX Preferences</b>	<b>13</b>
<b>Part X Main Screen</b>	<b>18</b>
<b>Part XI Main Screen - Charts Tab</b>	<b>19</b>
<b>Part XII Main Screen - Wheels Tab</b>	<b>20</b>
<b>Part XIII Main Screen - Axle Tab</b>	<b>21</b>
<b>Part XIV Main Screen - Bearing Tab</b>	<b>22</b>
<b>Part XV Main Screen - Demount Tab</b>	<b>23</b>
<b>Part XVI Main Screen - Treads Tab</b>	<b>24</b>
<b>Part XVII Remount Wheelset</b>	<b>25</b>
<b>Part XVIII Misfit Wheelset</b>	<b>26</b>
<b>Part XIX Main Screen - Misfit Search</b>	<b>27</b>
<b>Part XX Main Screen - Batch Print</b>	<b>28</b>

<b>Part XXI Main Screen - Review</b>	<b>29</b>
<b>Part XXII Main Screen - Outbound</b>	<b>30</b>
<b>Part XXIII Main Screen - Submittal</b>	<b>31</b>
<b>Part XXIV Main Screen - Customers</b>	<b>32</b>
<b>Part XXV File Menu</b>	<b>33</b>
<b>Part XXVI Tools Menu</b>	<b>34</b>
<b>Part XXVII Options Menu</b>	<b>35</b>
<b>Part XXVIII Reports Menu</b>	<b>36</b>
<b>Part XXIX Help Menu</b>	<b>37</b>
<b>Part XXX View or Change Preferences</b>	<b>38</b>
<b>Part XXXI Add a Database Server to the Server List</b>	<b>39</b>
<b>Part XXXII Add a New User to the Database</b>	<b>41</b>
<b>Part XXXIII Add a New Customer to the Database</b>	<b>43</b>
<b>Part XXXIV Add Customer Locations</b>	<b>45</b>
<b>Part XXXV Search for all Wheels Between Specific Dates</b>	<b>46</b>
<b>Part XXXVI Search for a Specific Wheel Serial Number</b>	<b>47</b>
<b>Part XXXVII View Misfit information</b>	<b>48</b>
<b>Part XXXVIII Print a Specific list of Wheelsets</b>	<b>49</b>
<b>Part XXXIX Review all Charts at the end of shift/day</b>	<b>50</b>
<b>Part XXXX View Turned Tread Wheelsets</b>	<b>51</b>
<b>Part XXXXI View Bearings Only Wheelsets</b>	<b>52</b>
<b>Part XXXXII Manage Outbound Wheelsets</b>	<b>54</b>
<b>Part XXXXIII Monitor the status of Outbound Wheelsets</b>	<b>56</b>

**Index**

**0**

# 1 Overview

Shop Manager Version 5

The Shop Manager program is part of the Wheel Shop Management System. It is used to view and print mounting charts, edit the data collected for a wheelset, manage the user and customer lists, and view and print reports. The Shop Manager accesses data from the database server via the TCP/IP protocol and works with Microsoft Windows 2000, Windows XP and Windows 7.

The default installation folder is C:\Program Files\Wheel Shop Automation\ShopManager.

Network connectivity to the database server is required.

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## 2 ToolBar

Login to Server -

LogOut From Server -

Search Today -

Print - (Can also be found in the File Menu)

Preview Mount Report for Current Wheelset - (Can also be found in the File Menu)

Print Mount Reports for all Wheelsets Selected - (Can also be found in the File Menu)

Preview Mount Reports for all Wheelsets Selected - (Can also be found in the File Menu)

Preferences - (Can also be found in the File Menu)

Show Chart Template - (Can also be found in the Options Menu)

Toggle Mounting Graph Orientation - (Can also be found in the Options Menu)

Chart Data Points - (Can also be found in the Options Menu)

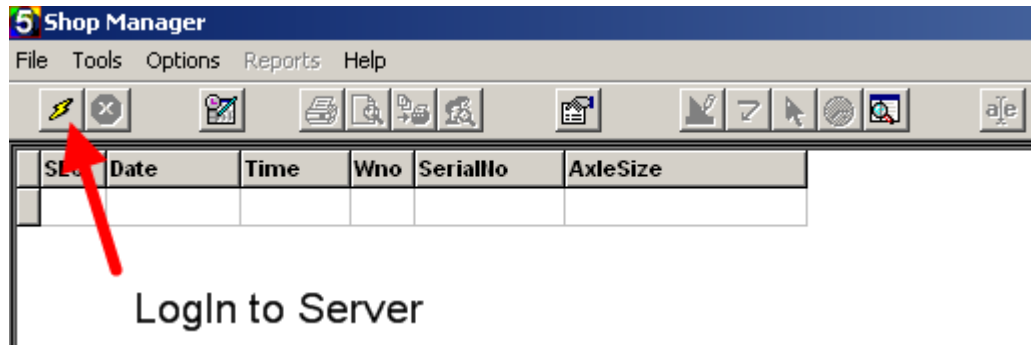
Re-search Automatically - (Can also be found in the Options Menu)

Dashboard Toggle -

Edit Current Wheelset -

### 3 Login to Server

In order to start the Shop Manager Application select the Login to Server button.



Then select the server from the drop box and press connect. Here you can also Modify Server List. (See [Add a Database Server to the Server List.](#))



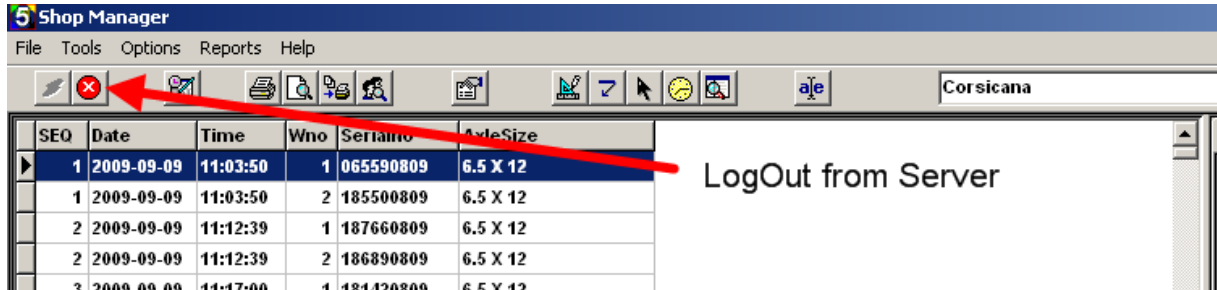
Now enter the UserName and Password. Press Ok to Login.



The image shows a Windows-style dialog box titled "Login". It has a blue header bar with the title and a close button (X) in the top right corner. The main area is light blue and contains two text input fields. The first field is labeled "UserName:" and the second is labeled "Password:". Below these fields are two buttons: "Ok" with a green checkmark icon and "Cancel" with a red X icon. At the bottom left of the dialog, there is a button labeled "Select Server" with a left-pointing arrow icon.

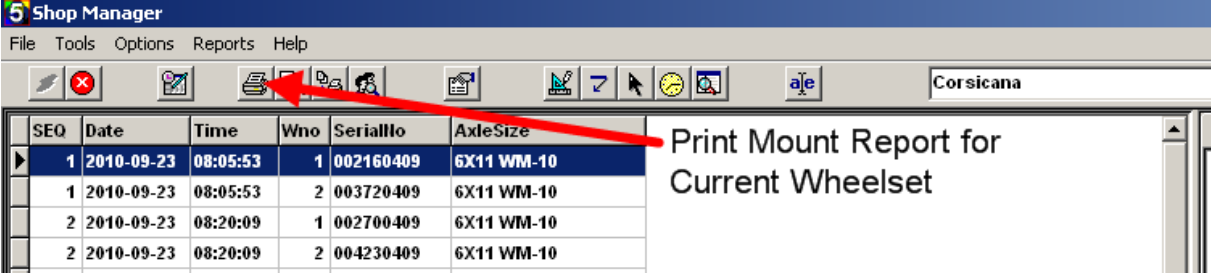
## 4 LogOut from Server

To LogOut of Shop Manager Press the LogOut from Server Button.



## 5 Print Mount Report for Current Wheelset

Press the Print Button to print mount report for current wheelset.



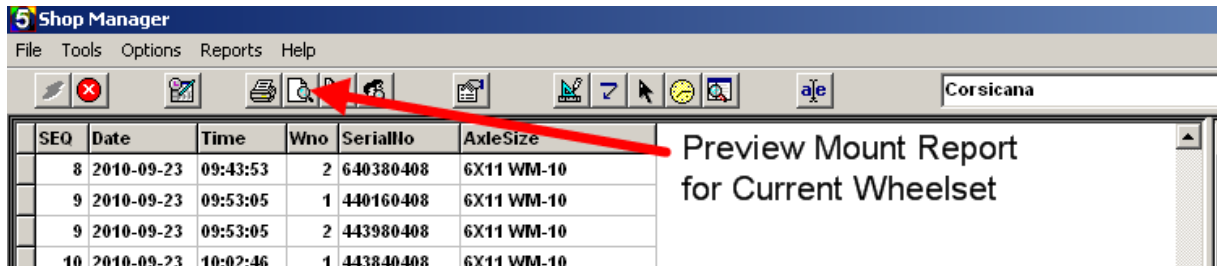
The screenshot shows the Shop Manager application window. The title bar reads "Shop Manager". The menu bar includes "File", "Tools", "Options", "Reports", and "Help". The toolbar contains various icons, including a print icon. A red arrow points from the print icon to the first row of the table. The table has the following data:

SEQ	Date	Time	Wno	SerialNo	AxleSize
1	2010-09-23	08:05:53	1	002160409	6X11 WM-10
1	2010-09-23	08:05:53	2	003720409	6X11 WM-10
2	2010-09-23	08:20:09	1	002700409	6X11 WM-10
2	2010-09-23	08:20:09	2	004230409	6X11 WM-10

Print Mount Report for Current Wheelset

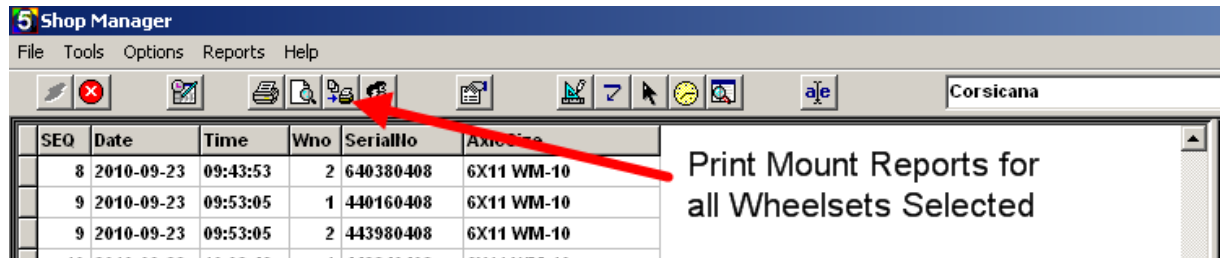
## 6 Preview Mount Report for Current Wheelset

Press the Preview Button to see a preview of the mount report for the current wheelset.



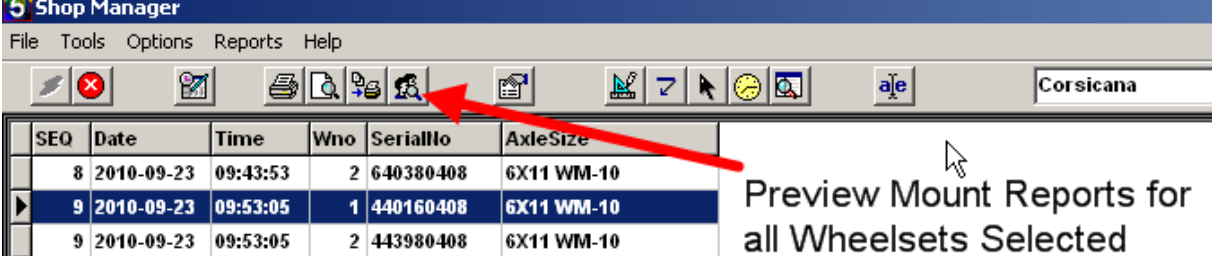
## 7 Print Mount Reports for all Wheelsets Selected

Press this Print Button the Print Mount Reports for all Wheelsets Selected



## 8 Preview Mount Reports for all Wheelsets Selected

Press this Preview Button to see a preview of the mount reports for all the wheelsets selected.



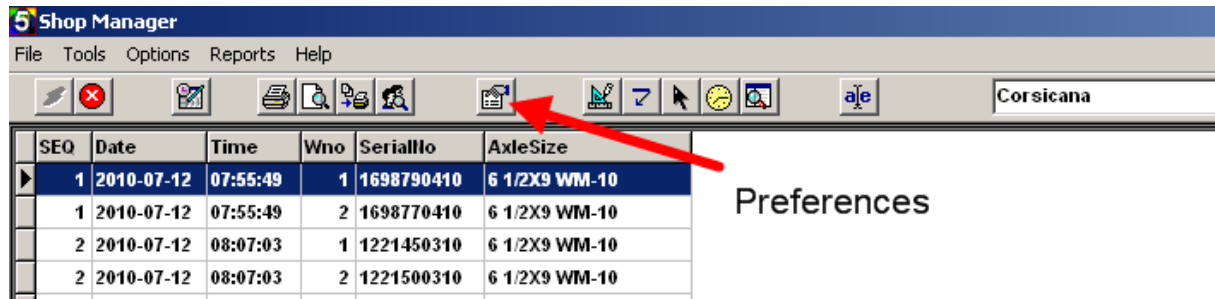
The screenshot shows the Shop Manager application window. The title bar reads "Shop Manager". The menu bar includes "File", "Tools", "Options", "Reports", and "Help". The toolbar contains various icons, including a red 'X', a magnifying glass, a printer, a document, a cursor, and a preview icon (a document with a magnifying glass). A red arrow points to the preview icon. The main window displays a table with the following data:

SEQ	Date	Time	Wno	SerialNo	AxleSize
8	2010-09-23	09:43:53	2	640380408	6X11 WM-10
9	2010-09-23	09:53:05	1	440160408	6X11 WM-10
9	2010-09-23	09:53:05	2	443980408	6X11 WM-10

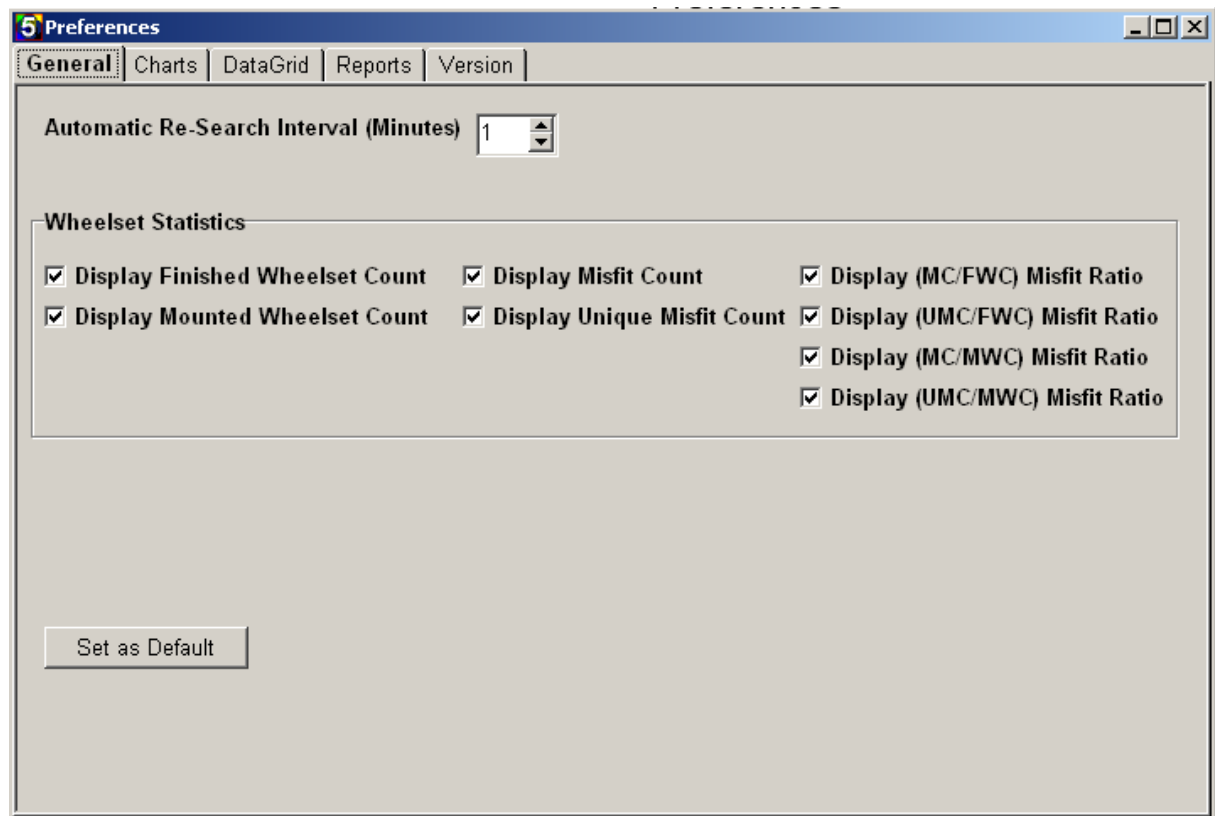
A mouse cursor is positioned over the preview icon in the toolbar. To the right of the table, the text "Preview Mount Reports for all Wheelsets Selected" is displayed.

## 9 Preferences

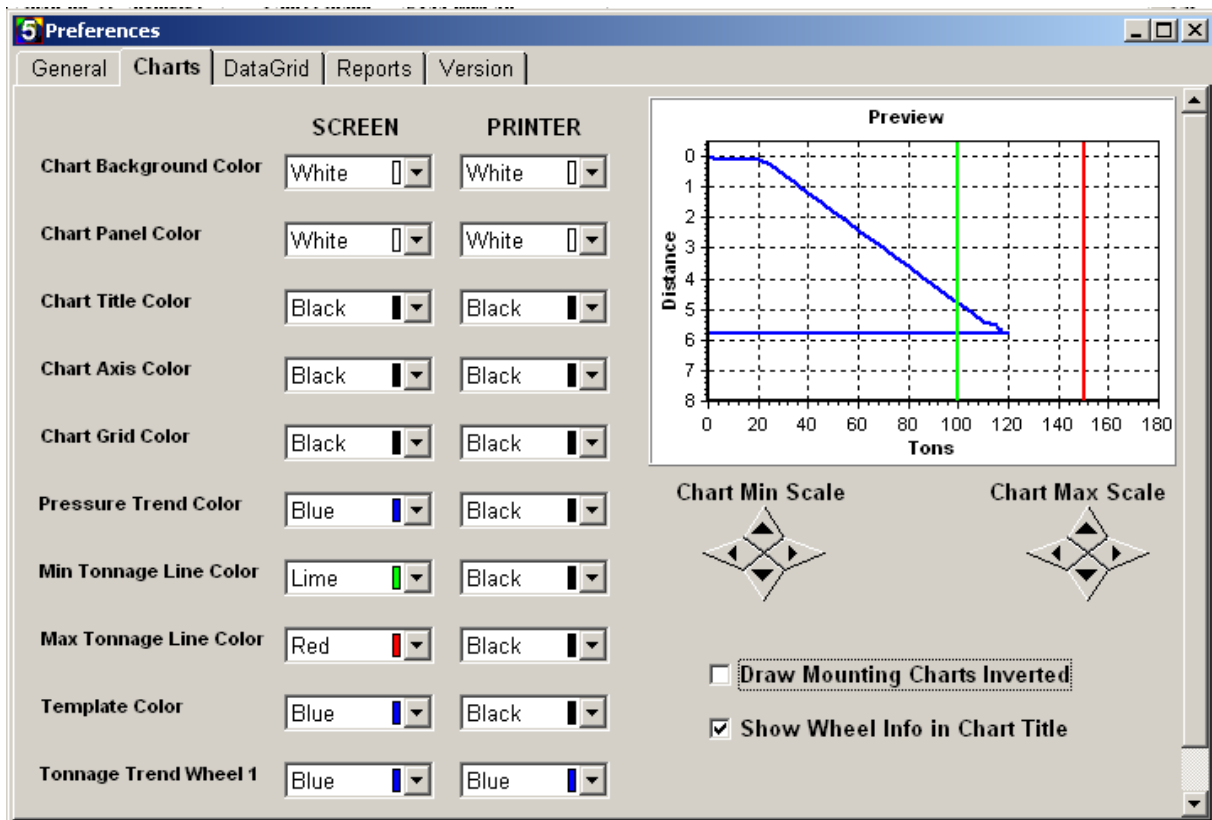
Select this item to show the setup screen. This can also be found under the File Menu.



General Tab - The automatic re-search time can be changed along with selecting what Wheelset Statistics you want displayed.

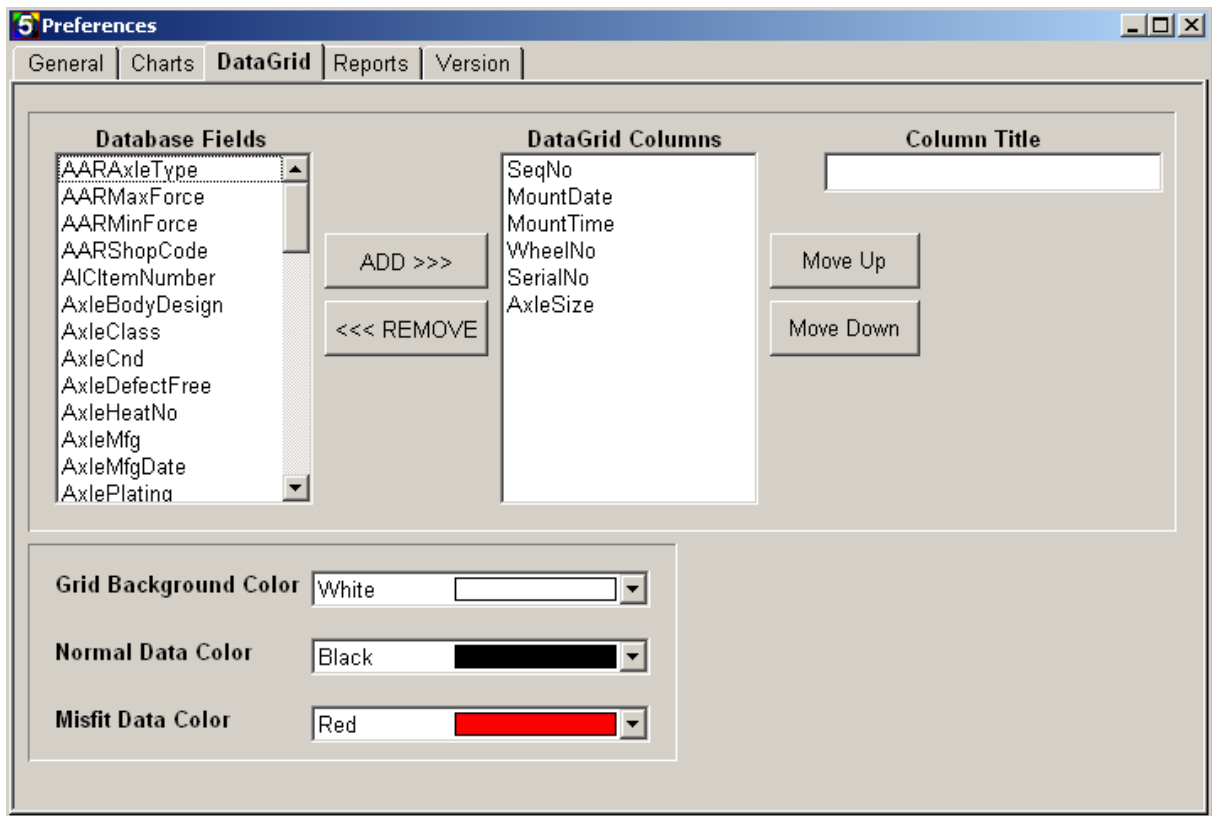


Charts Tab - Select colors for the various parts of the mounting graph. Use the Chart Min Scale and Chart Max Scale buttons to set the chart scales. Check the Draw Mounting Charts Inverted checkbox to reverse the mounting graph orientation. Check the Show Wheel Info in Chart Title checkbox to display the Wheel information in the chart title.

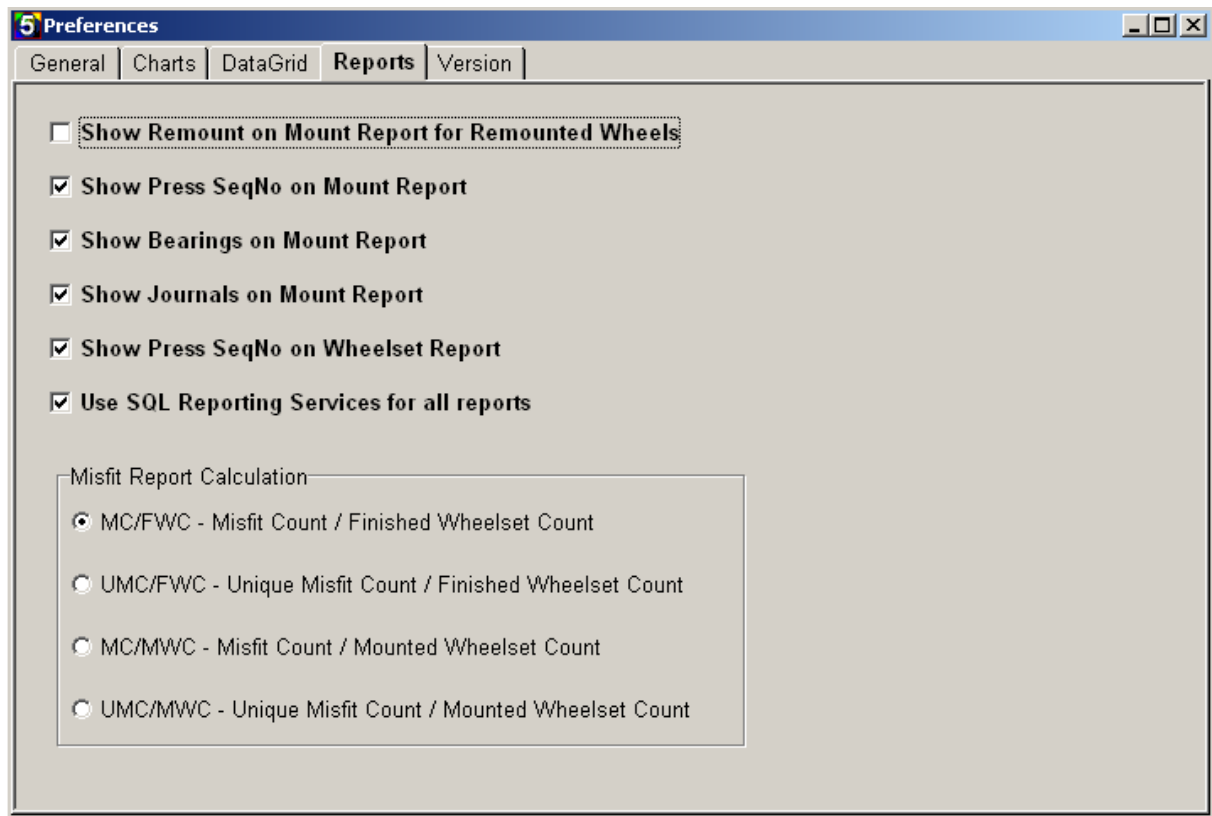


DataGrid Tab - the Database Fields display a list of options that can be added to the DataGrid. Items in the DataGrid column can be added or removed using the ADD and REMOVE buttons. The order of the items in the columns can be moved up or down using the Move Up and Move Down buttons. A Column Title can also be added. Select colors for the grid background, normal data, and misfit data.

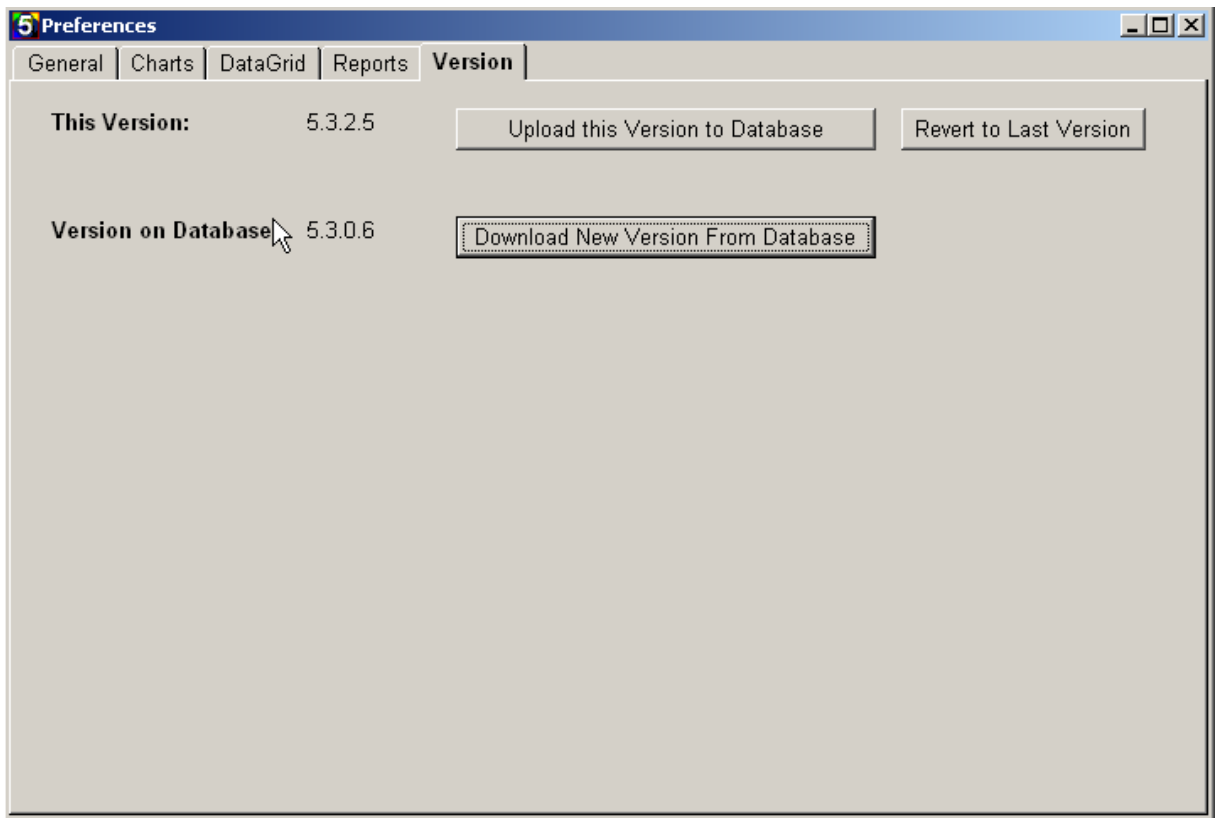




Reports Tab - Select what you want shown on the Mount and Wheelset Reports using the checkboxes next to each description. Select the checkbox option in the Misfits Report Calculation box.



Version Tab - displays the current version of ShopManager and the version on the Database. The current version can be uploaded to the Database. The new version can be downloaded from the Database. Select the Revert to Last Version button to return back the the previous version of ShopManager.



# 10 Main Screen

The main screen displays a wheelset listbox, a detailed wheelset overview, and wheelset search.

The grid on the left hand side of the screen represents an overview of the wheelsets meeting search requirements selected by the operator. Each row represents a wheel. Two rows make up a wheelset grouped by sequence number. This grid can be customized via the Preferences Menu.

A detailed view of the selected wheelset is displayed on the right hand side of the screen.

To zoom in on the graph start at the top left, click and hold the mouse, and drag down the graph to the bottom right. To zoom out start at the bottom right, click and hold the mouse, and drag up the graph to the top left.

Select the Search tab at the bottom of the screen to select the starting and ending dates for the current search. A specific shift, press machine number, and customer can be selected to limit the search results.

Select the New Mounts radial button to show only new mounts in the search results.

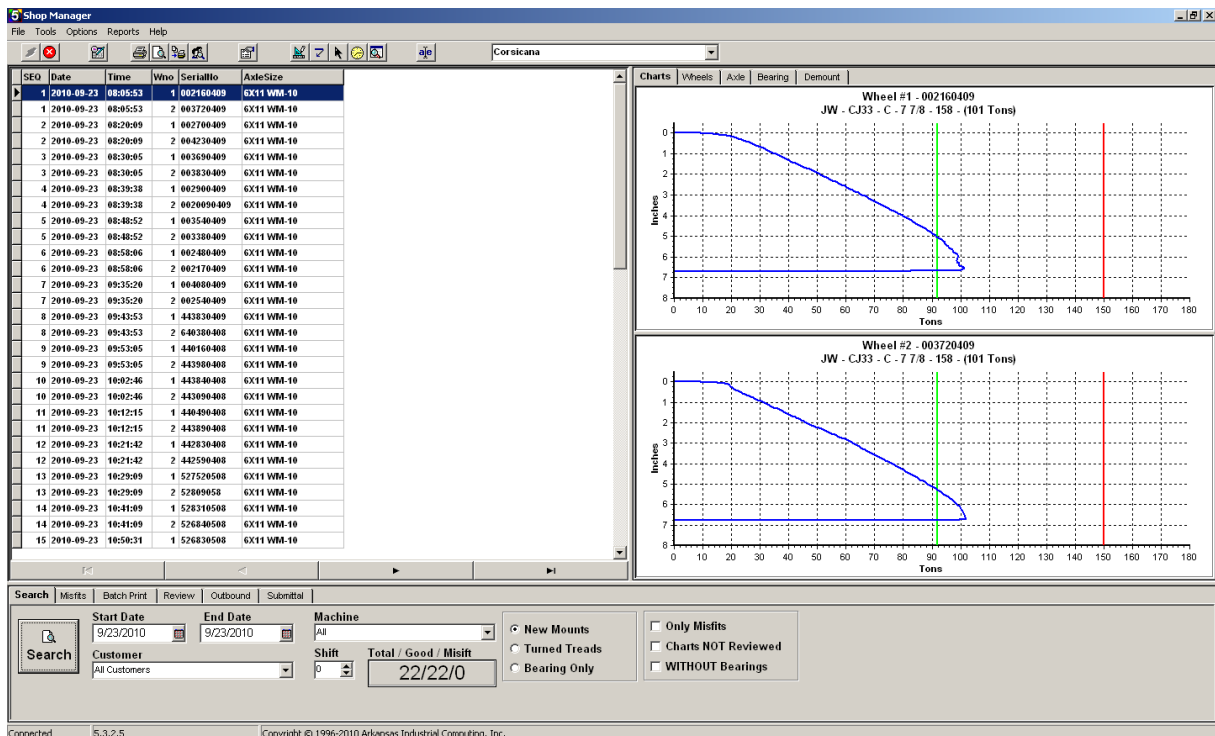
Select the Turned Treads radial button to show only turned tread wheelsets.

Select the Bearings Only radial button to show only wheelsets with bearings.

The Only Misfits checkbox can be checked to show only misfit wheels in the search results.

The Charts NOT Reviewed checkbox can be checked to display only mounting charts which have not been reviewed by the supervisor.

The WITHOUT Bearings checkbox can be checked to display only mounts with no bearing information.





## 12 Main Screen - Wheels Tab

The [Wheels](#) tab displays a detailed view of the wheelset selected from the Main Screen.

Charts		Wheels		Axle			
<b>Mount</b>							
Date	6/1/2011	1:29:34 PM	Sequence	1	Cust Seq	60	
Operator	aic	BM Operator		Shift	1		
Reviewer		Machine No	11	Shop Code	AIC		
Customer	AllAboard						
WIP ID	AIC000001						
Comp. ID	GBRX1300000479						
Comment							
Bore Size	7 7/8	Condition	New				
Mfg	GI	Type	CJ33	Class	C		
<b>Wheel #1</b>			<b>Wheel #2</b>				
Serial No	731441295		Serial No	735611295			
Heat No			Heat No				
Tape	160	Max Tons	121	Tape	160	Max Tons	123
Temp	0		Temp	0			
Good Press			Good Press				

## 13 Main Screen - Axle Tab

The [Axle](#) tab displays a detailed view of the axle information from the Main Screen.

The screenshot shows a software interface with a tabbed menu at the top containing 'Charts', 'Wheels', and 'Axle'. The 'Axle' tab is selected and displays the following information:

- Axle** (Section Header)
- Serial No**: [Empty text box]
- Mfg**: [SSD]      **Mfg Date**: [Empty text box]
- Size**: [5.5x10 (50 Ton)]
- Condition**: [New]      **Heat No**: [Empty text box]
- Customer ID**: [Empty text box]
- Customer Item Number**: [Empty text box]
- Vendor Item Number**: [Empty text box]

## 14 Main Screen - Bearing Tab

The [Bearing](#) tab displays bearing information for the selected wheelset from the Main Screen.

Charts		Wheels		Axle		Bearing		Demount	
<b>Bearing 1</b>									
Date	9/23/2010	8:11:43 AM							
Operator	joell								
Condition	Premium-Recond								
Mfg	RBS								
Journal	6.0x11	E							
Certificate									
Back. Ring	Other								
Cage Type									
Seal Type									
Grease									
Defect Free									
Mfg Date	/								
Serial No									
Lateral	0								
<b>Bearing 2</b>									
Date	9/23/2010	8:11:43 AM							
Operator	joell								
Condition	Premium-Recond								
Mfg	RBS								
Journal	6.0x11	E							
Certificate									
Back. Ring	Other								
Cage Type									
Seal Type									
Grease									
Defect Free									
Mfg Date	/								
Serial No									
Lateral	0								



## 15 Main Screen - Demount Tab

The [Demount](#) tab displays the date/time of demount, wheel serial number, operator, and disposition.

Charts	Wheels	Axle	Bearing	<b>Demount</b>
<b>Wheel #1</b>				
Serial No	<input type="text" value="002160409"/>			
Date	<input type="text" value="11/18/2010"/>	<input type="text" value="7:28:16 PM"/>		
Operator	<input type="text" value="aic"/>			
Disposition	<input type="text" value="Remount"/>			
<b>Wheel #2</b>				
Serial No	<input type="text"/>			
Date	<input type="text" value="11/18/2010"/>	<input type="text" value="7:30:39 PM"/>		
Operator	<input type="text"/>			
Disposition	<input type="text"/>			

## 16 Main Screen - Treads Tab

The [Treads](#) tab displays turned information for each wheel that has been turned for the selected wheelset from the Main Screen.


Wheels	Axle	Bearing	Treads
<b>Work No: 43426</b>			
<b>Wheel 1</b>		<b>Wheel 2</b>	
Serial No	563340600	Serial No	569350600
Start Tape	0	Start Tape	0
Final Tape	230	Final Tape	230
Start Finger: Rim	26	Start Finger: Rim	26
Final Finger: Rim	23	Final Finger: Rim	23
Start Finger: Flange	0	Start Finger: Flange	0
Final Finger: Flange	0	Final Finger: Flange	0
Cut Count	1	Cut Count	1
Cut Reason	Shell	Cut Reason	Shell
Disposition	Good	Disposition	Good
WIP ID		70	

# 17 Remount Wheelset

A REMOUNT wheelset will be displayed in BLUE on the listbox to the left.

SEO	Date	Time	Who	SerialNo	AxleSize
26	2010-09-03	21:23:04	2	669130610	6 X 11
27	2010-09-03	21:29:47	1	429920810	6 X 11
27	2010-09-03	21:29:47	2	430090810	6 X 11
28	2010-09-03	21:38:39	2	443050810	6 X 11
28	2010-09-03	21:38:39	2	443050810	6 X 11
29	2010-09-03	21:46:43	1	472260810	6 X 11
29	2010-09-03	21:46:43	2	472290810	6 X 11
30	2010-09-03	21:52:05	1	472370810	6 X 11
30	2010-09-03	21:52:05	2	472400810	6 X 11
31	2010-09-03	21:57:50	1	461110810	6 X 11
31	2010-09-03	21:57:50	2	461080810	6 X 11
32	2010-09-03	22:09:08	1	461040810	6 X 11
32	2010-09-03	22:09:08	2	472070810	6 X 11
33	2010-09-03	22:28:35	1	472470810	6 X 11
33	2010-09-03	22:28:35	2	472440810	6 X 11
34	2010-09-03	22:40:49	1	475430810	6 X 11
34	2010-09-03	22:40:49	2	473100810	6 X 11
35	2010-09-03	22:52:52	1	475480810	6 X 11
35	2010-09-03	22:52:52	2	474490810	6 X 11
36	2010-09-03	23:04:01	1	473710810	6 X 11
36	2010-09-03	23:04:01	2	473690810	6 X 11
37	2010-09-03	23:18:05	1	472930810	6 X 11
37	2010-09-03	23:18:05	2	472970810	6 X 11
38	2010-09-03	23:28:51	1	474450810	6 X 11
38	2010-09-03	23:28:51	2	474540810	6 X 11
39	2010-09-03	23:40:23	1	475470810	6 X 11
39	2010-09-03	23:40:23	2	474300810	6 X 11
40	2010-09-03	23:45:31	1	475110810	6 X 11
40	2010-09-03	23:45:31	2	474460810	6 X 11

REMOUNT



Charts | **Wheels** | Axle | Bearing | Submittal

**Mount**

Date: 9/3/2010 9:39:39 PM Shift: 2 Machine No: 11

Operator: arturo BM Operator: arturo Reviewer: HDP

Sequence: 28 Customer Seq: 163 Shop Code: MNSK

Customer: Union Pacific

Mfg: GI Type: CJS3 Class: C

Bore Size: 7.75 Condition: New

47366/44305 remount from sq 23 9/03/10

---

**Wheel #1** Serial No: 473660810 Heat No: REMOUNT

Tape: 160 Max Tons: 148 Temp: 0

Good Press

**Wheel #2** Serial No: 443050810 Heat No: REMOUNT

Tape: 160 Max Tons: 135 Temp: 0

Good Press

# 18 Misfit Wheelset


A MISFIT wheelset will be displayed in **RED** on the listbox to the left. **MISFIT** will also be displayed on the graph pertaining to the misfitted wheel to the right.

The screenshot shows the Shop Manager interface. On the left is a list of wheelsets with columns for SEO, Date, Time, Who, SerialNo, and AxleSize. Row 41 is highlighted in red, indicating a misfit. To the right are two graphs showing wheel profiles. The top graph is for Wheel #1 (130 Tons) and the bottom graph is for Wheel #2 (82 Tons). The bottom graph has the word 'MISFIT' written in large red letters over the profile. Below the graphs is a search and filter section with fields for Start Date, End Date, Machine, Shift, and various checkboxes like 'New Mounts', 'Turned Treads', 'Bearing Only', 'Only Misfits', 'Charts NOT Reviewed', and 'WITHOUT Bearings'.

SEO	Date	Time	Who	SerialNo	AxleSize
36	2010-03-03	13:44:13	2	005121209	GX11 WVR-10
37	2010-03-03	13:50:12	2	005141209	GX11 WVR-10
37	2010-03-03	13:50:12	2	005191209	GX11 WVR-10
38	2010-03-03	14:00:25	1	004851209	GX11 WVR-10
38	2010-03-03	14:00:26	2	004851209	GX11 WVR-10
39	2010-03-03	14:09:21	1	256580309	GX11 WVR-10
39	2010-03-03	14:09:21	2	256580409	GX11 WVR-10
40	2010-03-03	14:15:17	1	004851209	GX11 WVR-10
41	2010-03-03	14:27:23	1	110180011	GX11 WVR-10
41	2010-03-03	14:27:23	2	004851209	GX11 WVR-10
42	2010-03-03	14:47:13	1	004091209	GX11 WVR-10
42	2010-03-03	14:47:13	2	005591209	GX11 WVR-10
43	2010-03-03	14:55:22	1	006791209	GX11 WVR-10
43	2010-03-03	14:55:22	2	006341209	GX11 WVR-10
44	2010-03-03	15:01:41	1	006351209	GX11 WVR-10
44	2010-03-03	15:01:41	2	006151209	GX11 WVR-10
45	2010-03-03	15:09:55	1	005671209	GX11 WVR-10
45	2010-03-03	15:09:55	2	004851209	GX11 WVR-10
46	2010-03-03	15:17:27	1	006041209	GX11 WVR-10
46	2010-03-03	15:17:27	2	005191209	GX11 WVR-10
47	2010-03-03	15:23:09	1	006201209	GX11 WVR-10
47	2010-03-03	15:23:09	2	005801209	GX11 WVR-10
48	2010-03-03	15:45:07	1	003921209	GX11 WVR-10
48	2010-03-03	15:45:07	2	0503911209	GX11 WVR-10
49	2010-03-03	16:01:19	1	0506411209	GX11 WVR-10
49	2010-03-03	16:01:19	2	0505911209	GX11 WVR-10
50	2010-03-03	16:11:16	1	0505011209	GX11 WVR-10
50	2010-03-03	16:11:16	2	0504411209	GX11 WVR-10

## 19 Main Screen - Misfit Search

The Misfits Search tab displays count information.

Search	Misfits	Batch Print	Review	Outbound	Submittal	
Finished Wheelset Count	<input type="text" value="22"/>	Misfit Count	<input type="text" value="0"/>	Misfit Ratio (MC/FWC)	<input type="text" value="0.000%"/>	
Mounted Wheelset Count	<input type="text" value="22"/>	Unique Misfit Count	<input type="text" value="0"/>	Misfit Ratio (UMC/FWC)	<input type="text" value="0.000%"/>	
				Misfit Ratio (MC/MWC)	<input type="text" value="0.000%"/>	
				Misfit Ratio (UMC/MWC)	<input type="text" value="0.000%"/>	

## 20 Main Screen - Batch Print

To add specific wheelsets to preview or print enter the wheelset serial number and press the ADD button.

To remove a wheelset from the added list select the wheelset and press the REMOVE button.

To preview each individual wheelset press the PREVIEW button.

To print each individual wheelset press the PRINT button.

To preview the report of the entire added list press the PREVIEW REPORT button.

To print the report of the entire added list press the PRINT REPORT button.

The screenshot shows a software interface for the 'Batch Print' function. At the top, there is a navigation bar with tabs for 'Search', 'Misfits', 'Batch Print' (which is selected), 'Review', 'Outbound', and 'Submittal'. Below the navigation bar is a large empty rectangular area, likely a list of wheelsets. To the right of this area are several controls: a '+ ADD' button, a 'REMOVE' button with an 'X' icon, an 'Enter Serial Number' text input field, and a '0 Items' status indicator. Further right are four buttons: 'PRINT' (with a printer icon), 'PRINT REPORT' (with a printer icon), 'PREVIEW' (with a magnifying glass icon), and 'PREVIEW REPORT' (with a magnifying glass icon).

## 21 Main Screen - Review

To review wheelsets select the [Review](#) Tab. Select the wheelset you want to review.  
To mark a chart as reviewed you must enter your initials and press the Mark as Reviewed button.

SEQ	Date	Time	Wno	SerialNo	AxleSize
80	2010-04-21	00:08:56	1	563340600	6-1/2 x 12
80	2010-04-21	00:08:56	2	569350600	6-1/2 x 12
41	2010-04-21	00:25:31	1	661400502	6 X 11
41	2010-04-21	00:25:31	2	737710602	6 X 11
81	2010-04-21	00:26:50	1	098781196	6-1/2 x 12
81	2010-04-21	00:26:50	2	097621196	6-1/2 x 12
82	2010-04-21	00:43:39	1	226200379	6-1/2 x 12
82	2010-04-21	00:43:39	2	244750379	6-1/2 x 12
42	2010-04-21	00:48:03	1	952680203	6 X 11
42	2010-04-21	00:48:03	2	950800203	6 X 11
83	2010-04-21	00:59:41	1	977060203	6-1/2 x 12
83	2010-04-21	00:59:41	2	977110203	6-1/2 x 12
43	2010-04-21	01:05:53	1	476781203	6 X 11
43	2010-04-21	01:05:53	2	476771203	6 X 11
44	2010-04-21	01:23:31	1	523080800	6 X 11
44	2010-04-21	01:23:31	2	513150800	6 X 11
84	2010-04-21	01:27:59	1	785090508	6-1/2 x 9
84	2010-04-21	01:27:59	2	785340508	6-1/2 x 9
85	2010-04-21	01:49:40	1	824010502	6-1/2 x 12
85	2010-04-21	01:49:40	2	829440502	6-1/2 x 12
45	2010-04-21	01:49:56	1	609081005	6 X 11
45	2010-04-21	01:49:56	2	609071005	6 X 11
46	2010-04-21	02:06:54	1	191630889	6 X 11
46	2010-04-21	02:06:54	2	191410889	6 X 11
86	2010-04-21	02:13:45	1	400441003	6-1/2 x 12
86	2010-04-21	02:13:45	2	400371003	6-1/2 x 12
47	2010-04-21	06:26:48	1	484330804	6 X 11
47	2010-04-21	06:26:48	2	998281004	6 X 11
48	2010-04-21	06:42:12	1	914450396	6 X 11

◀      ▶

Search   Misfits   Batch Print   **Review**   Outbound   Submittal

Reviewer's Initials

Mark as Reviewed

## 22 Main Screen - Outbound

Outbound allows you to add, remove, and save loads to be shipped. You can search incomplete loads, complete loads, and shipped loads. Incomplete loads will be displayed in **Blue**. Complete loads will be display in **Red**. Press the Ship button after all loads have been added that are ready to be shipped. Shipped loads will then be displayed in **Black**.

The screenshot shows the 'Shop Manager' application window with the 'Outbound' screen active. The main area contains a table of load records. The right-hand side features a control panel for adding, removing, and saving loads, along with a search filter at the bottom.

Load #	Customer	Location	BOL	Carrier	Trailer/Car #	PO Number	Loaded By	Comment	Weight	Ship Date	Method	Load Date	Create Date	Approved
105333	Union Pacif	HERINGTO	K267	KCT					0	5/20/2010	65			
105334	DTE Rail	Se Grand Isla		MAHLEI					0					
105335	DTE Rail	Se GRAHD ISL		MAHLEI					0					
105336	DTE Rail	Se GRAHD ISL		MAHLEI					0					
105337	watco	coffeyville		KCT				ETRX	0					
105338	GATX Rail	Heodesha		KCT					0					
105339	KCRS	Kansas	CK265	KCRS					0	5/20/2010	65			
105340	AEP	alliance, H		AL					0					
105341	Greenbriet	atchison,		KCT					0					
105342	Union Pacif	Salina, KS		KCT					0					
105344	watco	Coffeyville		WATCO				ETRX	0					
105345	Watco	COFFEYVIL		WATCO				ETRX	0					
105346	DTE Rail	Se Grand Isla		KCT			jason	GTT	0					
105347	DTE Rail	Se GRAHD ISL		KCT					0					
105348	Union Pacif	Kansas C		KCT					0					
105349	Union Pacif	WICHTIA		MAHLEI					0					
105350	Midland Pa	Festus,MI		MAHLEI					0					
105351	DTE Rail	Se Grand Isla		KCT					0					
105352	Union Pacif	Herington		MAHLEI					0					
105353	KCRS	kansas C		KCRS					0					
105354	Watco	Coffeyville		WATCO				ETRX	0					
105355	WATCO	Coffeyville		WATCO				ETRX	0					
105356	Luminant	pittsburg,		WATCO					0					
105357	Union Pacif	Kansas C		KCT					0					
105358	Union Pacif	Council Bl		KCT					0					
105359	UP North Pl	North Pl		KCT	12345				0				12/3/2010 11:00	

**Outbound Control Panel:**

- Create Date: [Field]
- Load #: 105348
- Load Date: [Field]
- Loaded By: [Field]
- Customer: Union Pacific
- Location: Kansas City, KS
- P.O. #: [Field]
- Status: Completed
- Comment: [Field]
- Ship Method:  Truck  Rail
- Carrier: KCT
- Trailer #: [Field]
- Ship Date: [Field]
- Ship Time: [Field]
- Bill Of Lading: [Field]
- Weight: 0

**Wheel and Bearing Table:**

WIP Code	Axle Size	Wheel Mfg.	Wheel Type	Bearing Mfg.	Bearing
920	6.5x12	GI	CH36	Precision	Recond
943	6.5x12	GI	CH36	Precision	Recond
4606	6.5x12	GI	CH36	GRSE	Recond
4607	6.5x12	GI	CH36	GRSE	Recond

**Buttons:** + ADD, X REMOVE, 8, Save, X Cancel

**Search Filter:** Customer: All Customers OR WIP code, Wheel SN, Axle SN. Search: Incomplete, Completed, Shipped. Date range: 3/10/2010 - 2/25/2011.



# 23 Main Screen - Submittal

**Shop Manager**  
File Tools Options Reports Help

Corsicana

Load #	Date of Submittal	WIP ID	Wheelset ID	Customer	Response Date
56376	9/8/2010 8:13:45 AM	8521		Union Pacific	
56376	9/8/2010 8:13:45 AM	8531		Union Pacific	
56376	9/8/2010 8:13:45 AM	8543		Union Pacific	
56376	9/8/2010 8:13:45 AM	8592		Union Pacific	
56376	9/8/2010 8:13:45 AM	8523		Union Pacific	
56376	9/8/2010 8:13:45 AM	8545		Union Pacific	
56376	9/8/2010 8:13:45 AM	8524		Union Pacific	
56376	9/8/2010 8:13:45 AM	8527		Union Pacific	
56376	9/8/2010 8:13:45 AM	8525		Union Pacific	
56376	9/8/2010 8:13:45 AM	8539		Union Pacific	
56388	9/8/2010 8:13:45 AM	8537		Union Pacific	
56388	9/8/2010 8:13:45 AM	8542		Union Pacific	
56388	9/8/2010 8:13:45 AM	8559		Union Pacific	
56388	9/8/2010 8:13:45 AM	8547		Union Pacific	
56388	9/8/2010 8:13:45 AM	8540		Union Pacific	
56388	9/8/2010 8:13:45 AM	8548		Union Pacific	
56388	9/8/2010 8:13:45 AM	8596		Union Pacific	
56388	9/8/2010 8:13:45 AM	8546		Union Pacific	
56388	9/8/2010 8:13:45 AM	8538		Union Pacific	
56400	9/22/2010 8:54:24 AM	10785		Union Pacific	9/22/2010 8:54:38 #
56400	9/22/2010 8:54:24 AM	10949		Union Pacific	9/22/2010 8:54:38 #
56400	9/22/2010 8:54:24 AM	11267		Union Pacific	9/22/2010 8:54:38 #
56400	9/22/2010 8:54:24 AM	10992		Union Pacific	9/22/2010 8:54:38 #
56400	9/22/2010 8:54:24 AM	10987		Union Pacific	9/22/2010 8:54:38 #
56400	9/22/2010 8:54:24 AM	11261		Union Pacific	9/22/2010 8:54:38 #

Re-Submit Wheelset Edit

Search | Misfits | Batch Print | Review | Outbound | **Submittal**

Start Date: 7/14/2009 End Date: 2/23/2011

Include in Search:  
 READY FOR SUBMITTAL (2)  RESPONSE OK (0)  
 WAITING FOR RESPONSE (288)  RESPONSE ERROR (59)

Submittal ID: (0893AA1B-9B17-4DEF-A8F1-2270F151221F)  
 Submittal Date: 9/22/2010 8:54:24 AM Response Date: 9/22/2010 8:54:38 AM  
 Submitted: 25 Accepted: 24 Rejected: 1

Show Submittal Packet Show Response Packet

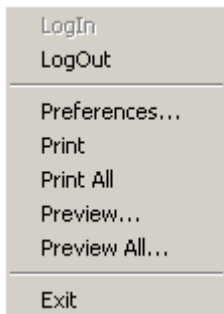
Connected | 5.3.2.5 | Copyright © 1996-2010 Arkansas Industrial Computing, Inc.

## 24 Main Screen - Customers

The Customers Tab gives a total count of wheelsets and misfits. It allows you to filter by customer and date range.

Search   Misfits   BatchPrint   Review   Outbound   Submittal   <b>Customers</b>		
<b>Start Date</b> 12/ 1/2010	<b>End Date</b> 12/ 1/2011	<input checked="" type="radio"/> All Wheelsets <input type="radio"/> New Mounts <input type="radio"/> Turned Treads
<b>Customer</b> All Customers		
GO		
<b>Finished Wheelset Count</b> 33	<b>Unique Misfit Count</b> 10	<b>Misfit Ratio (UMC/FWC)</b> 30.303%
<b>Mounted Wheelset Count</b> 43	<b>Misfit Count</b> 16	<b>Misfit Ratio (MC/MWC)</b> 37.209%

## 25 File Menu



LogIn - Select this item to Connect to the Database Server. Will be disabled if already connected.

LogOut - Select this item to Disconnect from the Database Server. Will be disabled if not connected.

Preferences - Select this item to show the setup screen.

Print - Select this item to print the currently selected wheelset mounting chart.

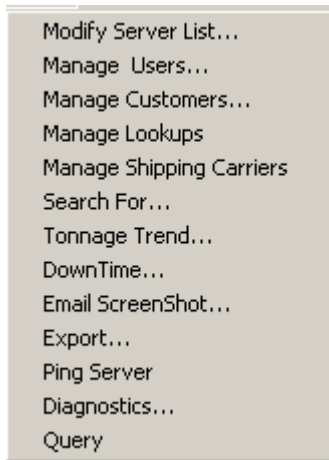
Print All - Select this item to print all of the wheelsets shown in the current search list.

Preview - Select this item to preview on-screen the currently selected wheelset mounting chart.

Preview All - Select this item to preview all of the wheelsets shown in the current search list.

Exit - Select this item to close the program.

## 26 Tools Menu



Modify Server List - Select this item to modify the list of Database Servers to which Shop Manager can be connected.

Manage Users - Select this item to add or edit usernames and passwords.

Manage Customers - Select this item to add or edit customer names.

Manage Lookups - Select this item to add or manage lookup values such as manufactures, condition, etc.

Manage Shipping Carriers - Select this item to add or edit shipping carriers.

Search For - Select this item to search for wheel or axle serial numbers.

Tonnage Trend - Select this item to display a graph of wheel maximum mounting tonnages.

DownTime - Select this item to search when downtimes have occurred.

Email ScreenShot - Select this item to email a full-screen picture of the current computer display. Requires Microsoft Outlook.

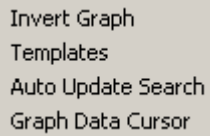
Export - Select this item to export the currently selected wheelset or all wheelsets in the search range to a Comma Separated Values (CSV) file or an xml file.

Ping Server - Select this item to test the network connection to the Database Server.

Diagnostics - Select this item to view system information and running processes.

Query - Select this item to run custom queries against the database.

## 27 Options Menu



Invert Graph  
Templates  
Auto Update Search  
Graph Data Cursor

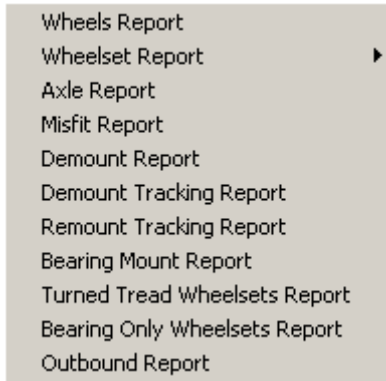
Invert Graph - Select this item to reverse the mounting graph display.

Templates - Select this item to display a template for the currently displayed mounting graphs.

Auto Update Search - Select this item to have the search automatically update on a user-defined period.

Graph Data Cursor - Select this item to view crosshairs on the graphs.

## 28 Reports Menu



Wheels Report - Select this item to display a tabulated list of all wheels in the current search range.

Wheelset Report - Select this item to display a filtered or unfiltered tabulated list of all wheelsets in the current search range.

Axle Report - Select this item to display a list of all axle information in the current search range.

Misfit Report - Select this item to display a report of all misfits in the current search range.

Demount Report - Select this item to display a report of all demounted wheels in the current search range. Requires Misfit Tracking Client.

Demount Tracking Report - Select this item to display a report of all demounted wheels. Requires Misfit Tracking Client.

Remount Tracking Report - Select this item to display a report of all remounted wheels (if any). Requires Misfit Tracking Client.

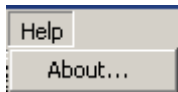
Bearing Mount Report - Select this item to display a report of all bearings mounted in the current search range. Requires Bearing Tracking Client.

Turned Tread Wheelsets Report - Select this item to display a report of all turned tread wheels. Requires Turned Tread Tracking Client.

Bearing Only Wheelsets Report - Select this item to display a report of all bearing only wheelsets. Requires Bearing Tracking Client.

Outbound Report - Select this item to display and manage a shipping report of wheelsets being shipped such as ship date, customer name, destination address, wheelsets information, truck and trailer information, etc.

## 29 Help Menu

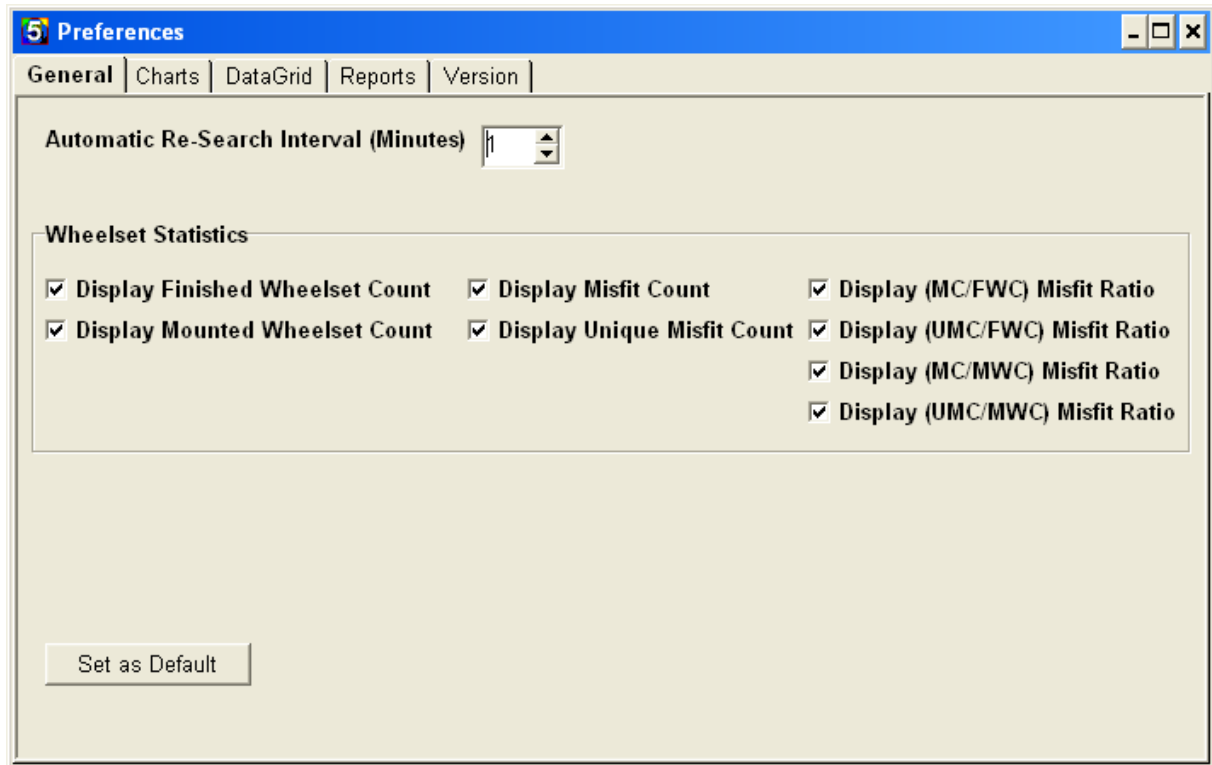


**A**bout - Displays the program about box with the current version.



## 30 View or Change Preferences

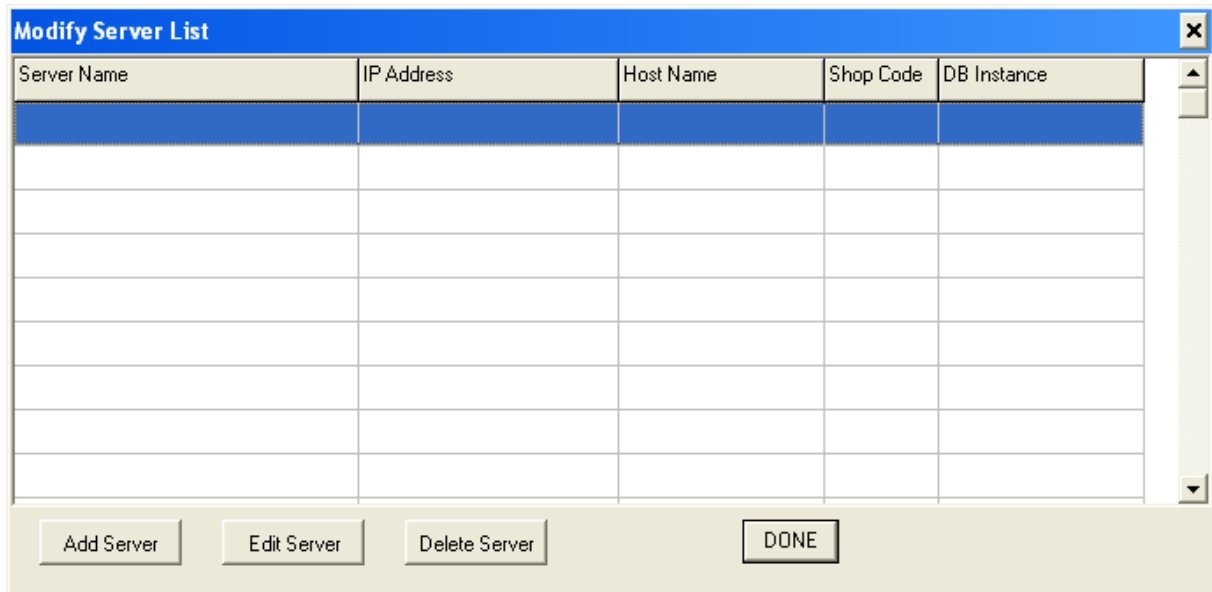
Select Preferences from the File Menu to view or change preferences.





## 31 Add a Database Server to the Server List

Select Modify Server List from the Tools Menu to add a database server to the server list.



Select the [Add Server](#) button.

The following screen will be displayed.

**Connection Name**

**Server Name/Address**

**Instance Name**

**Initial Catalog**

**Shop Code**

Enter a connection name that is convenient. This is just a display name.  
Enter a server name. This will be the name of the server or Ip address of the server.  
Enter the Instance name. This will be "WSA".  
Enter the Initial catalog. This will be "WSMS".  
Enter the Shop Code.

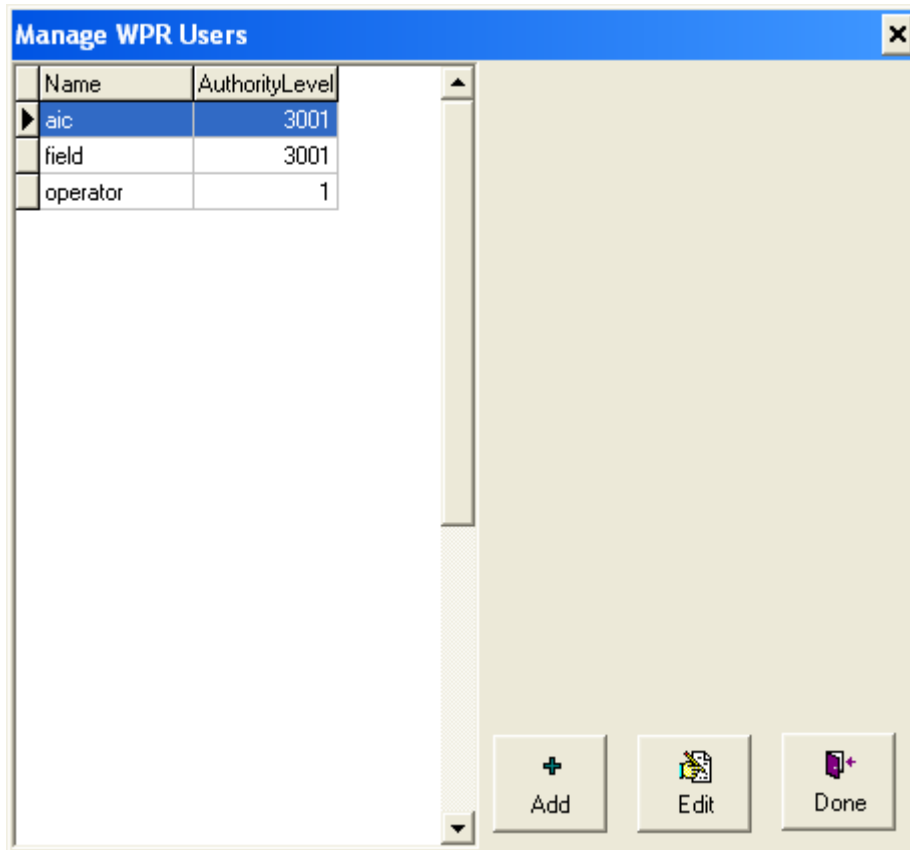
Press the [Test](#) button to test the connection.  
Press the [OK](#) button.

Once you have connected to a Database Server, the program will default to that connection on startup,

until you connect to a different server.

## 32 Add a New User to the Database

Select Manage Users from the Tools Menu to add a new user to the database.



Press the [Add](#) button.

Name	AuthorityLevel
aic	3001
field	3001
operator	1

**UserName:**  
[Text Field]

**Password:**  
[Text Field]

**Verify Password:**  
[Text Field]

**Authority Level**

- Operator
- Technician
- Supervisor
- Manager
- Administrator

Save Cancel

+ Add Edit Done

Enter a Username.

Enter a password for this user. You must enter the password twice to verify.


Select the authority level for this user.


Press the [Save](#) button.

## 33 Add a New Customer to the Database

Select Manage Customers from the Tools Menu to add a new customer to the database.


Customers								
Customer Name	Abbr.	Sequence #	Enabled	Address	City	State	Zip	Phone
▶ Stock	Stock	43	True					
Acme Rail 2	AR	118	True	123 Corporate Way	Company	AR	72117	501-555-1212
All Aboard	AAB	82	True	1111 Sesame St	Nowhere	AZ	15432	866-867-5309


 Add


 Edit


  

Locations					
Location	Address	City	State	ZIP	Phone
▶					

 Add

 Edit

 Delete

 Done

To add a customer press the [Add](#) button.

Customers									
Customer Name	Abbr.	Sequence #	Enabled	Address	City	State	Zip	Phone	
▶ Stock	Stock	43	True						+ Add
Acme Rail 2	AR	118	True	123 Corporate Way	Company	AR	72117	501-555-1212	≡ Edit
All Aboard	AAB	82	True	1111 Sesame St	Nowhere	AZ	15432	866-867-5309	

Customer Name	Abbreviation	Sequence #	
<input type="text"/>	<input type="text"/>	<input type="text" value="0"/>	
Address:	City:	State:	Zip Code:
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Phone:	<input type="text"/>		
Addendum Line 1:	<input type="text"/>		
Addendum Line 2:	<input type="text"/>		
Addendum Line 3:	<input type="text"/>		
Data Submittal Host:	<input type="text"/>		
Data Submittal Required	<input type="checkbox"/>		
Require CustomerID Field	<input type="checkbox"/>		
Enable this Customer for Use	<input checked="" type="checkbox"/>		
		Save	Cancel

Done

Enter a name for this customer.

Enter an abbreviation for this customer.

Enter a sequence number for this customer.

The addendum lines are displayed at the bottom of the mounting report. They can contain any text that is desired.

Check the Enable this Customer for Use checkbox to allow the customer to be selected at the wheel press.

Press the [Save](#) button.

## 34 Add Customer Locations

Adding Customer Locations allows you to add multiple locations for each customer.

First, select a customer.

Next, select Add and enter the Location information.

The screenshot displays the 'Customers' and 'Locations' sections of the Shop Manager interface. The 'Customers' section contains a table with the following data:

Customer Name	Abbr.	Sequence #	Enabled	Address	City	State	Zip	Phone
Stock	Stock	43	True					
Acme Rail 2	AR	118	True	123 Corporate Way	Company	AR	72117	501-555-1212
All Aboard	AAB	82	True	1111 Sesame St	Nowhere	AZ	15432	866-867-5309

The 'Locations' section contains an empty table with the following columns:

Location	Address	City	State	ZIP	Phone

Buttons for 'Add', 'Edit', and 'Delete' are visible next to the tables. A 'Done' button is located at the bottom right of the interface.

## 35 Search for all Wheels Between Specific Dates

Select the [Search](#) tab to search for all wheels between specific dates.

Enter a start and end mounting date for wheelsets you are looking to view.

Enter a particular shift and/or customer to filter the results.

Enter a particular Mounting Press number if you have multiple mounting presses and you wish to filter the results.

Check the [New Mounts](#) checkbox to show only new mounts.

Check the [Turned Treads](#) checkbox to show only turned sets.


Check the [Bearing Only](#) checkbox to show only wheelsets with bearings.

Check the [Only Misfits](#) checkbox to show only misfitted mounts.

Check the [Charts NOT Reviewed](#) checkbox to show only mounts that have not been reviewed yet.

Check the [WITHOUT Bearings](#) checkbox to display only mounts with no bearing information.

Press the [Search](#) button.

<b>Search</b>	Misfits	BatchPrint	Review	Outbound	Submittal	Customers	
 <b>Search</b>	<b>Start Date</b> 1/ 1/2011	<b>End Date</b> 11/23/2011	<b>Machine</b> All	<b>Shift</b> 0	<b>Total / Good / Misfit</b> 24 / 15 / 9	<input checked="" type="checkbox"/> <b>New Mounts</b> <input type="checkbox"/> <b>Turned Treads</b> <input type="checkbox"/> <b>Bearing Only</b>	<input type="checkbox"/> <b>Only Misfits</b> <input type="checkbox"/> <b>Charts NOT Reviewed</b> <input type="checkbox"/> <b>WITHOUT Bearings</b>
<b>Customer</b> All Customers							



## 36 Search for a Specific Wheel Serial Number

Select Search For from the Tools Menu to search for a specific wheel serial number..

The dialog box contains a search input field at the top. Below it are two sections: 'SN Type' and 'Pattern Matching'. 'SN Type' has radio buttons for Wheel (selected), Axle, WIP Tag, Component ID, and Bearing. 'Pattern Matching' has radio buttons for None (selected), Beginning of SN, End of SN, and Anywhere in SN. At the bottom are 'Cancel' and 'OK' buttons.

Select either Wheel, Axle, WIP Tag, Component ID, or Bearing from SN Type.

### Pattern Matching

None - Must be an exact match for entered search text.

Beginning of SN - if search text is 123, will match all wheel serial numbers starting with 123.

End of SN - if search text is 123, will match all wheel serial numbers ending with 123.

Anywhere in SN - if search text is 123, will match all wheel serial numbers having 123 anywhere in the serial number.

Press the **OK** button to begin the search.

## 37 View Misfit information

Select the [Misfits](#) tab to view general misfit information.


This tab displays the number of mounted and finished wheelsets, number of misfits, and misfit ratios.

Finished Wheelset Count- count of actual physical wheelsets for a given date range

Mounted Wheelset Count- count of wheelsets upon which mounts were performed for a given date range. Includes remounts.

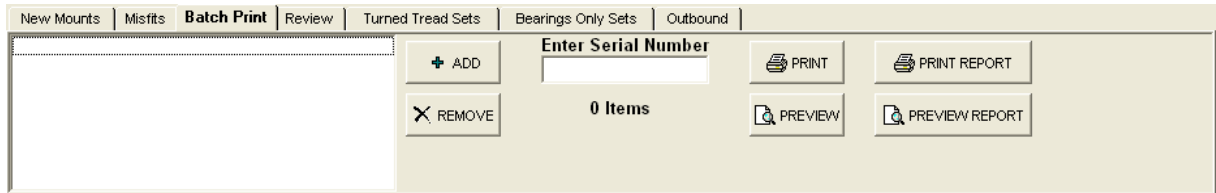
Misfit Count- count of mounts marked as misfit for a given date range.

Unique Misfit Count- count of mounts with a unique serial number for a given date range.

New Mounts	Misfits	Batch Print	Review	Turned Tread Sets	Bearings Only Sets	Outbound	Submittal
Finished Wheelset Count	6	Misfit Count	1	Misfit Ratio (MC/FWC)	16.667%		
Mounted Wheelset Count	7	Unique Misfit Count	1	Misfit Ratio (UMC/FWC)	16.667%		
				Misfit Ratio (MC/MWC)	14.286%		
				Misfit Ratio (UMC/MWC)	14.286%		

## 38 Print a Specific list of Wheelsets

Select the [Batch Print](#) tab to print a specific list of wheelsets.



The screenshot shows a software interface with a tabbed menu at the top. The tabs are: New Mounts, Misfits, **Batch Print**, Review, Turned Tread Sets, Bearings Only Sets, and Outbound. The 'Batch Print' tab is active. Below the tabs is a large empty rectangular area. To the right of this area is a control panel. It includes a '+ ADD' button, a 'REMOVE' button with an 'X' icon, a text input field labeled 'Enter Serial Number' containing '0 Items', and four buttons: 'PRINT', 'PRINT REPORT', 'PREVIEW', and 'PREVIEW REPORT'. Each of the last four buttons has a magnifying glass icon.

Enter a serial number to add to the Batch Print List.

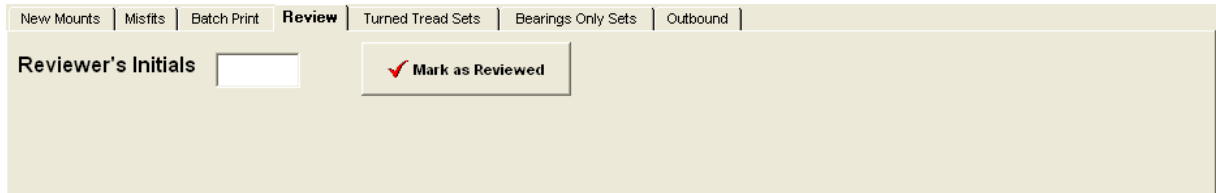
Press the [Add](#) button.

Repeat for all wheelsets to be printed.

Press the [Print](#) button.

## 39 Review all Charts at the end of shift/day

Select the [Review](#) tab to review all charts at the end of the shift/day.



The screenshot shows a software interface with a navigation bar at the top containing the following tabs: 'New Mounts', 'Misfits', 'Batch Print', 'Review', 'Turned Tread Sets', 'Bearings Only Sets', and 'Outbound'. The 'Review' tab is currently selected. Below the navigation bar, there is a section with the label 'Reviewer's Initials' followed by an empty text input box. To the right of the input box is a button labeled 'Mark as Reviewed' with a red checkmark icon.

Enter your initials in the Reviewer's initials box.

Move to the top of the current search list.

Press the [Mark as Reviewed](#) button for each set of mounting charts to indicate that you have reviewed the mounting charts for correctness per Association of American Railroad requirements.

## 40 View Turned Tread Wheelsets

Select the [Search](#) tab from the search bar.

Turned Tread sets can be searched by customer, date, machine, and shift.

Select the Turned Treads button.

Press the [Search](#) button.

The screenshot shows the 'Search' interface with the following details:

- Search bar tabs: Search, Misfits, BatchPrint, Review, Outbound, Submittal, Customers
- Start Date: 3/1/2010
- End Date: 12/15/2011
- Machine: All
- Customer: All Customers
- Shift: 0
- Total / Good / Scrap: 19 / 18 / 1
- Filter options:
  - New Mounts
  - Turned Treads
  - Bearing Only
  - Only Misfits
  - Charts NOT Reviewed
  - WITHOUT Bearings

A list of Turned Tread Wheelsets that meet the search criteria will appear.

Turned Wheelsets displayed in **Red** are scrap wheelsets.

Turned Wheelsets displayed in **Black** are good wheelsets.

Select the wheelset from the list you want to View.

Under the [Treads](#) tab, tread information about the selected wheelset will be displayed.

The screenshot shows the 'Treads' tab with the following details:

- Work No: 0
- Wheel 1:
  - Serial No: 124000297
  - Start Tape: 0
  - Final Tape: 241
  - Start Finger: Rim: 0
  - Final Finger: Rim: 21
  - Start Finger: Flange: 0
  - Final Finger: Flange: 0
  - Cut Count: 1
  - Cut Reason: High Flange
  - Disposition: Good
- Wheel 2:
  - Serial No: 124010297
  - Start Tape: 0
  - Final Tape: 240
  - Start Finger: Rim: 0
  - Final Finger: Rim: 21
  - Start Finger: Flange: 0
  - Final Finger: Flange: 0
  - Cut Count: 1
  - Cut Reason: High Flange
  - Disposition: Good

## 41 View Bearings Only Wheelsets

Select the [Search](#) tab from the search bar.

Bearing sets can be searched by customer, data, machine and shift.

Select the Bearing Only button.

Press the [Search](#) button.

The screenshot shows the 'Search' tab selected in the top navigation bar. Below the navigation bar, there is a search interface with a magnifying glass icon and a 'Search' button. The search criteria are: Start Date: 3/1/2010, End Date: 12/15/2011, Machine: All, Customer: All Customers, Shift: 0, and Total / Good / Scrap: (empty). On the right side, there are filter options:  New Mounts,  Turned Treads,  Bearing Only,  Only Misfits,  Charts NOT Reviewed, and  WITHOUT Bearings.

A list of Bearing Only Wheelsets that meet the search criteria will appear.

The [Wheels](#) tab displays mount and wheel information..

The screenshot shows the 'Wheels' tab selected in the top navigation bar. Below the navigation bar, there is a 'Mount' section with the following fields: Date: 6/10/2010, Time: 2:58:23 PM, Shift: 0, Machine No: 29, Operator: aic, BM Operator: (empty), Reviewer: (empty), Sequence: 1, Customer Seq: 1, Shop Code: AIC, Customer: Stock, Mfg: GC, Type: CJ36, Class: C, Bore Size: (empty), and Condition: Recond. Below the 'Mount' section are two sections for 'Wheel #1' and 'Wheel #2'. Each section has fields for Serial No, Heat No, Tape, 16ths, Temp, and TREAD LATHE. For Wheel #1, Serial No is 123450203, Heat No is (empty), Tape is 0, 16ths is 0, Temp is 0, and TREAD LATHE is TREAD LATHE. For Wheel #2, Serial No is 222220208, Heat No is (empty), Tape is 0, 16ths is 0, Temp is 0, and TREAD LATHE is TREAD LATHE.

The [Axle](#) tab displays axle information.

Wheels | Axle

**Axle**

Serial No

Mfg  Mfg Date


Size

Condition  Heat No

**Wheelset ID**

**Customer Item Number**

**Vendor Item Number**



## 42 Manage Outbound Wheelsets

Select the Outbound tab from the search bar to manage outbound wheelsets.

Outbound loads can be searched by customer, load status, OR by entering the Wheel SN, WIP ID, or Component ID.

Press the Search button.

A list of outbound loads that meet the search criteria will appear.

Outbound loads listed in **BLACK** are loads that have been Shipped.  
 Outbound loads listed in **RED** are loads that are Completed and are ready to be shipped.  
 Outbound loads listed in **BLUE** are loads that are incomplete and **NOT** ready to be shipped.

To mark a load as Complete, select a load in **BLUE** and click Complete.

Load #	Customer	Location	BOL	Carrier
1001	Stock	test	12112	UPS
1003	Stock	test		ups
56033	Stock	ft. worth		rylie
56034				

To mark a load as shipped, select a load in **BLACK** and click ship.

Load #	Customer	Location	BOL	Carrier
1001	Stock	test	12112	UPS
1003	Stock	test		ups
56033	Stock	ft. worth		rylie
56034				





This detailed list of the selected outbound load shows each wheelset in the load.

This information can be viewed or edited in the window on the right side of the screen.

Press Save after viewing or editing.

<b>Load #</b>	3	<b>Ship Method</b>	<input type="radio"/> Truck <input checked="" type="radio"/> Rail
<b>Loaded By</b>	aic	<b>Carrier</b>	Union Pacific
<b>Customer</b>	Lower Colorado Rail	<b>Car #</b>	
<b>Location</b>		<b>Ship Date</b>	
<b>P.O. #</b>		<b>Bill Of Lading</b>	
<b>Status</b>	Completed	<b>Weight</b>	0
<b>Comment</b>			

WMP Code	Axle Size	Wheel Mfg.	Wheel Type	Bearing Mfg.	Bearing Cond.	Wheel 1 SN	Wheel 2 SN
9	6-1/2 x 12	GI	CH36	Timken	Recond	949390108	983700108
88	6-1/2 x 9	GK	H36	Timken	Recond	456340604	299140904
89	6-1/2 x 9	GC	H36	Timken	Recond	508060908	420310908
90	6-1/2 x 9	GK	H36	Timken	Recond	378740808	379170808
120	6-1/2 x 12	GS	H36	Timken	Recond	798630199	029351198
122	6-1/2 x 12	GS	H36	Timken	Recond	198640199	839020499
124	6-1/2 x 12	SW	H36	Timken	Recond	019090303	011620303

<b>+ ADD</b>	<b>X REMOVE</b>	<b>7</b>	<input checked="" type="checkbox"/> Save	<input checked="" type="checkbox"/> Cancel
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## 43 Monitor the status of Outbounded Wheelsets

Select the [Submittal](#) tab from the search bar to monitor the status of outbounded wheelsets.

This feature allows you to monitor the status of wheelsets that have been submitted to the End Customer via the WSMS submittal service.

The search can be filtered with the checkboxes.

Press the [Search](#) button.

A list of loads will appear.

Select the load from the list you want to view or edit.

The screenshot displays the 'Submittal' tab in the Shop Manager software. The main window is divided into two panes. The left pane contains a table of loads with the following data:

Load #	Ship Date	WIP ID	Wheelset ID
55932	6/10/2010 1:28:54 PM	2353	MWST00002353
55909	6/10/2010 1:20:12 PM	2187	MWST00002187
55909	6/10/2010 1:20:12 PM	2188	MWST00002188

The right pane shows the details for a selected submittal. The Submittal ID is {C060AF74-C108-4DE1-B1D6-CC03FAB2C6CE}. The Submittal Date is 6/11/2010 8:16:23 AM and the Response Date is 6/11/2010 8:17:10 AM. The Response Code is 'ERROR - Side Scale Reading for both the wheels are not same'. There are buttons for 'Show Submittal Packet' and 'Show Response Packet'. At the bottom of the window, there is a search bar with 'Start Date' (6/9/2010) and 'End Date' (6/16/2010) fields. The 'Include in Search' section has the following checkboxes checked: 'READY FOR SUBMITTAL' (0), 'WAITING FOR RESPONSE' (0), and 'RESPONSE ERROR' (3). The 'RESPONSE OK' checkbox is unchecked (0). The status bar at the bottom shows 'Connected', '5.1.2.0', and 'Copyright © 1996-2010 Arkansas Industrial Computing, Inc.'