



Machinery Maintenance HELP NOTE

PAM 6.8.1, PAM EE 11.8.0 and above

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Getting Machinery Maintenance Scheduling to work...

Step 1 - Turn on the option

Go to “Customise your PAM...” and turn on the Machinery Maintenance & Scheduling option.

Program Settings

Settings (1) **Settings (2)** Enterprise Cropping Mapping Options User Settings Inventory Settings

Select the features you wish to use...

- Weather Records
 - Comprehensive Daily Weather Records
 - Rainfall Records (only)
- Fertiliser List and Records
- Chemical List and Records
 - Show Band % and Configuration %
 - Targets are mandatory when converting or recording Actuals
 - Growth Stage is mandatory when converting or recording Actuals
- Irrigation Records
 - Calculate Field Volumes & Costs
 - Selecting Fields - using emitter outputs
 - Using water source outputs
 - Selecting Valves - using emitter outputs
 - Use Indicator Fields for Pasture Growth & Laboratory Tests
- Water Sources List
- Staff and Contractor Names and Tasks Performed Records
- Manual Tasks List and Records
- Machinery List and Records
 - Machinery Maintenance and Scheduling
- Sundry Consumables List and Records

Inventory of Consumables System
Retain Planned Events when converting to Actuals
General Purpose Diary
Pasture Monitoring
Soil Tests
Tissue (Leaf) Tests
Water Analysis Tests
Zone/Region Recording for Soil and Leaf Tests
Use custom Report Logo
General Overheads Recording
Default Name for Overheads Account
General Overheads

Select All Select None

OK Cancel

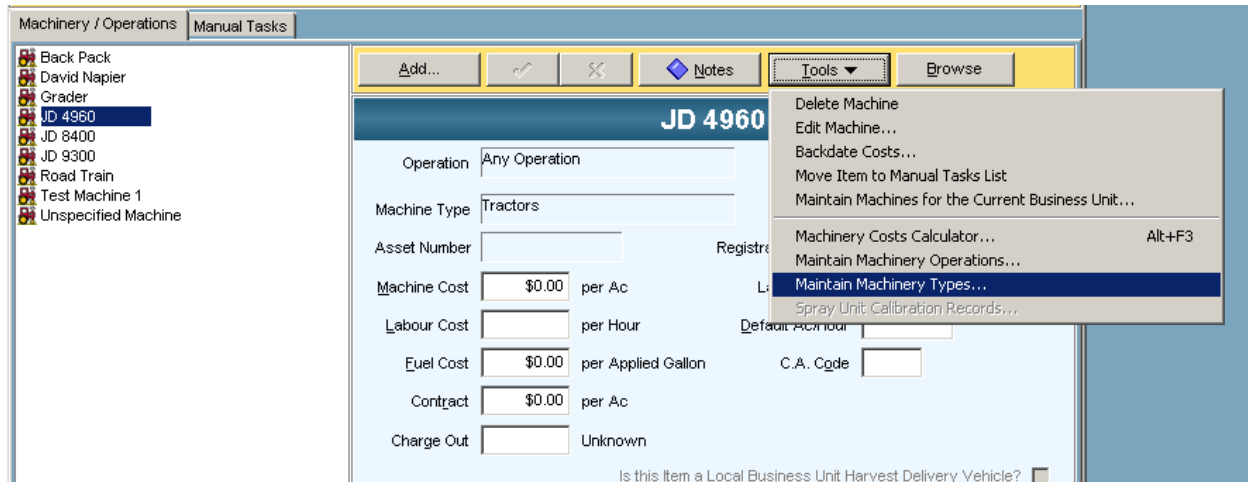
A new “Machinery Maintenance” button will appear on your main toolbar...



Step 2 – Set up machinery maintenance scheduling options

Go to Configuration / Machinery and Manual Tasks

On the Machinery / Operations Tab ... on the Tools menu, select the new menu option ... “Maintain Machinery Types”



To enable PAM to differentiate between tractors, vehicles, implements, stationary motors and self propelled machines, etc. ... all of which could potentially have different maintenance schedules, you need to set up your list of Machinery Types...

Machinery Types List ...

The 'Machinery Types' window contains a table with the following data:

Name	Service Interval	Service Interval Basis
Tractors	1000	Hours Worked
Implements	1000	Hours Worked
Trucks	5000	Odometer Increments

Click “Add” to add new machinery types ...

Set up the appropriate **Service Interval and Basis** and **Reminder** system

Edit Machinery Type [X]

Machinery Type

Name

Service Interval and Basis

Service Every

Next Service Due Reminder

Remind when within

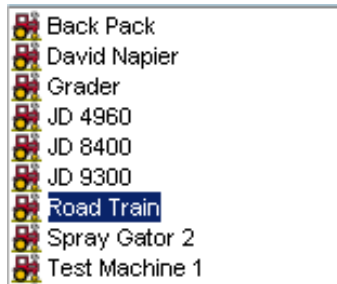
- Hours Worked
- Odometer Increments
- Days

✓ OK

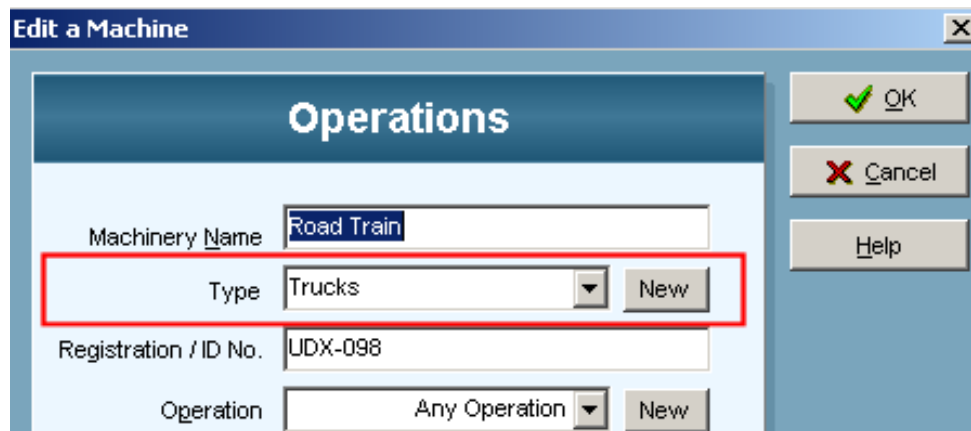
✗ Cancel

Step 3 – Editing existing machines to use the maintenance option

Select a machine on the list / tree on the Machinery List screen ...



Double click on it or click the “Edit” button to display the edit screen...
Choose the “Type” for this machine.



The screenshot shows a dialog box titled "Edit a Machine" with a close button (X) in the top right corner. The dialog is divided into two main sections. The top section is a dark blue header with the word "Operations" in white. Below this header, there are several input fields and buttons. On the right side of the dialog, there are three buttons: "OK" with a green checkmark, "Cancel" with a red X, and "Help". The main content area contains the following fields:

- "Machinery Name" with a text box containing "Road Train".
- "Type" with a dropdown menu showing "Trucks" and a "New" button to its right. This entire row is highlighted with a red border.
- "Registration / ID No." with a text box containing "UDX-098".
- "Operation" with a dropdown menu showing "Any Operation" and a "New" button to its right.

Step 4 – Adding the maintenance records...

Click on the new button ...



Or use the menu option ...

Data Entry	Reports	Utilities	Configuration
Paddock Activities Diary...			F7
Paddock-Season View...			F8
Paddock Budget View...			
Livestock Activities Diary...			F9
Wool Records...			
Laboratory Test Results			▶
Rainfall Recording System...			F11
Inventory of Consumables...			
Inventory of Consumables - Stock Take...			
Inventory of Harvested Produce...			Ctrl+H
Quality Assurance Records...			▶
Exit from PAM			Alt+F4

Document Register...
Corrective Action Records...
Approved Vendor Records...
Training Records...
Grain Storage & Treatment Records...
Sealed Storage Maintenance Records...
Unsealed Storage Maintenance Records...
Machinery QA Records...

The screen shown below will be displayed ...

For machinery types using “Odometer Increments” ...

You’ll need to start the process of maintenance scheduling by entering the last maintenance event for each machine and the odometer reading at the time of the service. Make sure you select the “Action” type of Maintenance when you do this.

The “Action” column has a pick list which enables you to **Update Odometer** readings. PAM has no other facility that enables you to tell it how many kilometers a vehicle may have traveled or hours a tractor may have worked. You might want to enter these readings at the end of each month.

For machinery types using “Hours Worked” ...

PAM will keep track of the hours a machine has worked by totaling up the hours worked that you enter in the Paddock Diary Add Wizard for a machine ...

... However, you will need to put in the hours of service at the last maintenance date for each machine of this type to get PAM started. Make sure you select the “Action” type of Maintenance when you do this.

For machinery types using “Days Worked” ...

PAM will keep track of the days a machine has worked by using the number of days elapsed since your last service. As with the other two Service Interval Basis types, you must get PAM started by entering the date of the last service for each machine of this type. Make sure you select the “Action” type of Maintenance when you do this.

Step 5 – View the maintenance reminders at program start up...

As you approach the next service for any machine(s), you will see this reminder list pop up whenever PAM starts.

Machine Type	Registration	Asset #	Machine	Current Odometer Reading Hours Worked Days Elapsed	Service Due At
Trucks	UDX-098		Road Train	54700	55000

Step 6 – Generating the maintenance reminders report...

The Machinery Maintenance Schedule: Listed by Machine report can be accessed via the Reports menu...

Reports/ Quality Assurance Reports / Machinery QA Report ... Then choose “Machinery Maintenance Schedule: Listed by Machine”

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Machinery Maintenance Schedule: Listed by Machine as at 04/05/2010

Machine	Registration	Asset ID	Last Odometer Entry or Total Hours	Last Service	Next Service Due
Road Train	UDX-098		54750	50000	55000