

Plant, Equipment, Vehicle, and Machine Database - Servicing



InterAcct
SOFTWARE PTY LTD

As part of InterAcct's Job Costing-Estimating-Quotation system, there is a Machine Register which is primarily used to charge the time/cost of machinery used on a job (just like an Employee's time).

This latest (free) software enhancement uses part of the Service/Maintenance software module (normally associated with the servicing of a customer's equipment) to provide the scheduling of Repairs and Service for your own equipment.

This new system includes a schedule of planned Service Types (by Equipment Type/Make/Model), Equipment Checks, and **OH&S** Risks Assessments. It integrates with InterAcct's Job Costing system to handle the internal service jobs performed on each item of equipment.

InterAcct Test - [MACHINE CODES MENU - display]

File Record Edit View Go Advanced Menu Graph Design Help

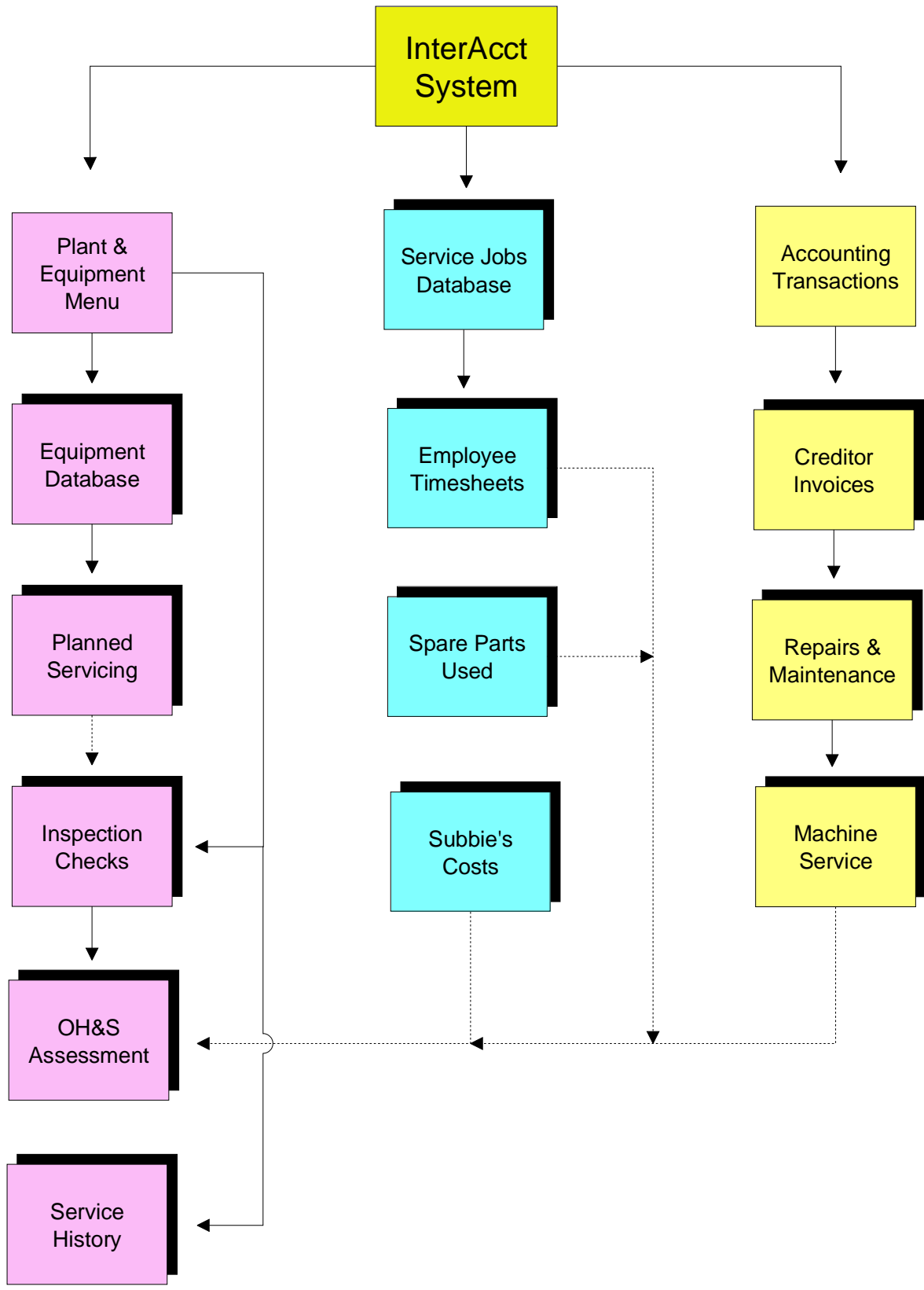
Menu

1. Machine - Equipment Database
2. Setup : Machine Cost Types
3. Setup : Costs per Period
4. Setup : Equipment Types
5. Setup : Makes/Models
6. Setup : Service Types
7. Setup : Service Tasks
8. Next Machine Checks
9. Next Service Jobs
10. OHS Risk Assessments

Service Jobs

Form help **Field help**

"Machines" can be any Plant & Equipment item (including Vehicles).
They are often used in relation to a Job - where you charge their time just like an Employee.
Firstly, select the various "Setup" menus shown here - BEFORE adding your Machine Database.



InterAcct Test - [MACHINES USED - display]

File Record Edit View Go Advanced Menu Graph Design Help

Machine Id *Description

Job Costing Cost/Sell		Type	<input type="text" value="VEHICLES"/>
Cost per hr \$	<input type="text" value="20.00"/>	Make	<input type="text" value="HOLDEN"/>
Charge hr \$	<input type="text" value="40.00"/>	Model	<input type="text" value="COMMODORE"/>
		Serial/Rego	<input type="text" value="XYZ-123"/>
Purchase Details		Usage #	<input type="text" value="35,050"/>
Purchased	<input type="text" value="1-Jan-2010"/>	Last Check	<input type="text" value="6-May-2010"/>
Purchase \$	<input type="text" value="32,980.00"/>	Next Check	<input type="text" value="20-May-2010"/>
Cost Calculations		Check Interval #	<input type="text" value="14"/>
Costs ph \$	<input type="text" value="0.00"/>	GL Account	<input type="text" value="REPAIRS.MV"/>
Costs pm \$	<input type="text" value="0.00"/>	Hrs per Mth	<input type="text" value="50"/>
Costs pa \$	<input type="text" value="0.00"/>	Bud Hrs Pa	<input type="text" value="600"/>
Next Service	<input type="text" value="30-May-2010"/>	Follow Up	<input type="text" value="20-May-2010"/>
Next Service	<input type="text" value="20,000KM"/>	Notes <input type="text"/>	

Menu

1. Annual Cost Calculations
2. Comments on Machine
3. View : Monthly Recovery
4. View : Transaction Costs
5. Planned Services
6. Service Checks

Form help Field help Machine-Capacity Equip-Types

These machines can be used in the costing for a job.

This screen shows the main "Machine" Database file. Machines could be any major item of Plant & Equipment, or Vehicle that you own – whether charged out to jobs on an hourly basis, or not. You can classify each Machine in terms of the Type, Make, and Model. The Serial Number (or Registration No) can be recorded, along with an internal Asset No (Machine Id).

This file also shows the General Ledger Expense account that you want the costs associated with any service job posted to. There is "Sub Account" cost analysis in the General Ledger by Machine also.

You can search on any of the fields – including Follow Up and Next Service Date.

InterAcct Demo - [MACHINES USED - display]

File Record Edit View Go Advanced Menu Graph Design Help

Machine Id *Description

Job Costing Cost/Sell

Cost per hr \$	11.00
Charge hr \$	25.00

Purchase Details

Purchased	1-Apr-2003
Purchase \$	1,979.00

Cost Calculations

Costs ph \$	10.55
Costs pm \$	527.50
Costs pa \$	6,330.00

Hrs per Mth Costs phr\$

Type Make Model Serial/Rego

Usage # Last Check Next Check Check Interval # GL Account

Next Service Follow Up

Next Service


Notes

Image

Menu

1. Annual Cost Calculations
2. Comments on Machine
3. View : Monthly Recovery
4. View : Transaction Costs
5. Planned Services
6. Service Checks

Types
Makes
Models
Service Types

Show Image 

Form help | Field help | Machine-Capacity | Equip-Types

COSTS PER MACHINE list , Lathe, Mill Drill AL-60M

	Cost Type	Description	Cost \$ Per	Cost per Hour	Recovery \$	Comment
1	CONSUMABL	Consumables	10.00 MONTH	0.20	120.00	OILS
2	DEPRECIATE	Depreciation Costs	195.00 ANNUM	0.33	198.00	
3	FINANCE	Finance Costs	180.00 ANNUM	0.30	180.00	
4	INSPECT	Plant Inspection	95.00 QUARTER	0.63	378.00	INSPECTION
5	POWER	Power Costs	20.00 MONTH	0.40	240.00	
6	REPAIRS	Repairs & Maintenance Allowanc	100.00 WEEK	8.69	5,214.00	
				10.55	6,330.00	

At the Next Menu – you can estimate the likely Operating Costs for the Machine in order to calculate the correct cost recovery rate per operating hour. The “Monthly Recovery” menu allows you to monitor the Machine Utilisation and Profitability – Expected versus Actual hours charged, and costs.

Transaction Costs is where you can see the History of Service costs – via your own Service Jobs, or Creditor invoices (third party servicing).



Service Description	20.000KM 20K Service Check	Machine Id	TEST-MAC
Internal?	INTERNAL	Type	VEHICLES
Parts \$	250.00	Make	HOLDEN
Labour \$	37.50	Model	COMMODORE VY
3rd Party \$	120.00	Serial/Rego	XYZ-123
Service \$	407.50	Job No	100018
Next Service	30-May-2010	Lab Hrs #	1.25
Notes	Test	Lab Rate \$	30.00
		Actual \$	0.00
		Completed	Thu 6-May-2010

- Menu**
- 1. Service Tasks
 - 2. Spare Parts Required
 - 3. Notes on Service
 - 4. View : 3rd Party
 - 5. View : Service Job



SERVICE TASKS, Test Machine/Plant/Vehicle Item

Service Task	Description	Std Hrs #	Labour \$	Notes
1	Brakes-Check	0.20	6.00	
2	Oil-Change	0.30	9.00	Test
3	Oil-Filters	0.25	7.50	
		0.75	22.50	

SPARE PARTS REQUIRED, Test Machine/Plant/Vehicle Item

Stock Item	Description	Units	Quantity #	Unit Cost \$	Parts \$	Available #	Re-Order #	Lab Hrs #
1	OILS	LITRES	4	25.00	100.00	0.00	4.00	0.00
2	KALEYA-FILTERS	Kaleya Air Conditioning Filter	2	125.00	250.00	0.00	2.00	0.50
					-350.00			

Form help | **Field help** | **Stock** | **Tasks** | **Standard Rate**

This file is created automatically normally - provided you have properly set up your "Models" database, and defined the Planned Service Types, Parts Required, and Service Tasks to be performed.

InterAcct Test - [PLANNED SERVICE INTERVALS :{-pop17602280 -hp24023583} - display , Test Machine]

File Record Edit View Go Advanced Menu Graph Design Help

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Service	20,000KM	Machine Id	TEST-MAC
Description	20K Service Check	Type	VEHICLES
Internal ?	INTERNAL	Make	HOLDEN
Employee	TOM.J	Model	COMMODORE VY
Parts \$	250.00	Serial/Rego	XYZ-123
Labour \$	37.50	Job No	100018
3rd Party \$	120.00	Lab Hrs #	1.25
Service \$	407.50	Lab Rate \$	30.00
Actual \$	0.00		
Next Service	30-May-2010	Completed	Thu 6-May-2010
Notes	Test		

Menu

1. Service Tasks
2. Spare Parts Required
3. Notes on Service
4. View : 3rd Party
5. View : Service Job

This shows a cut-down image of the previous screen (where you can also see Spare Parts Required and Service Tasks to be performed).

In this file you can record (in advance) all the planned Service Types for one Machine. This file is created automatically initially – once you define the “Model” related to the Machine.

For each Service Type (eg a 20,000km service job), you can define what Spare Parts are required. These may be items you hold in your Inventory Database, or simply Non-Stock items.

Also, you can define each of the Service Tasks (steps) required for the service. The labour hours for each Service Task can be estimated in order to show an overall estimate for the Service Type. This estimate can later be compared with the Actual Job Service costs.

Once again, there are free format notes that can be added – as Work Instructions.

This information can be then used to design internal follow up and service Work Ticket reports.

InterAcct Test - [MACHINE SERVICE CHECKS - display , Test Machine/Plant/Vehicle Item]

File Record Edit View Go Advanced Menu Graph Design Help

Last Date	Thu 6-May-2010	Machine Id	TEST-MAC
Checked by	Tom Jones	Type	VEHICLES
Hrs/Mileage #	35050	Make	HOLDEN
Usage #	1050	Model	COMMODORE VY
		Serial/Rego	XYZ-123
Service Type	20,000KM	Employee	TOM.J
Description	20K Service Check	Internal ?	INTERNAL
		Check Interval	14
		Hours #	1.25
Last Check	4-May-2010	Labour \$	37.50
Next Check	20-May-2010	Parts \$	250.00
		3rd Party \$	120.00
Next Service	30-May-2010	Cost \$	407.50
Notes	Test		

Menu	
1.	Planned Services
2.	Service Tasks
3.	Spare Parts Required
4.	Notes on Service
5.	View : 3rd Party
6.	OH&S Risk Assessment

This file also relates to one "Machine" item. It allows you to record when, and who did, the routine Service Checks on an Machine (Vehicle). The system calculates the Next Check date automatically – to update a forward schedule.

The Usage/Mileage record calculates the usage per day automatically – in order to indicate when (and what Type of Service) is next required. This then updates the Next Service Schedule.

Where there has been an OH&S Risk Assessment made during the check – the results and assessment can be record in the next lower menu.

InterAcct Test - [JOBS & ENQUIRIES DATABASE - display]

File Record Edit View Go Advanced Menu Graph Design Help

Job No	100018	Job Id	TEST-MAC.10001	Input Date	6-May-2010
Status	6.DONE	Job Type	INTERNAL	Starting	
Category	REPAIRS	Order No		Completed	6-May-2010
Prj Mgr	TOM.J			Follow Up	20-May-2010
Priority	2.NORMAL			Estimate \$	0

Machine Id	TEST-MAC	Service	20,000KM
		Costs \$	0.00

Serial #	XYZ-123	Type	VEHICLES
Make	HOLDEN	Model	COMMODORE

Project	Test Machine/Plant/Vehicle Item
Comments	20,000KM

Menu	
1.	Close Service Job
2.	Financial Summary
3.	Budget/Variiances
4.	Transactions & Processes
5.	View : Machine Database
6.	Job Notes
7.	Configure Job Reports
8.	View : Job Transactions

This is a sample of a Service Job. InterAcct's Job Costing is multi-purpose. In other words, it can be used for both external (Client related) jobs, as well as internal Machine Service jobs.

All the normal features of job costing can be used. Budget versus Actual costs analysis by Cost Group & Cost Item. You can use the employee scheduling – of who is going to work on the job by date and time.

Purchase Orders for materials (spare parts), and Work Orders for Third Party servicing can be used. Stock Issues of stock items, and employee timesheets, plus Creditor Invoices all can get posted to a service job.

Once the service job has been completed it can be closed off – and then both the General Ledger (Repairs & Maintenance Expense Account) and the Machine Service History files are updated automatically.

	Next Service	Machine Id	Last Date	Hrs/Mileage #	Make	Model	Serial/Rego	Description	Next Check	Hours #	Cost \$	Notes
1	30-May-10	TEST-MAC	6-May-10	35050	HOLDEN	COMMODORE VY	XYZ-123	20K Service Check	20-May-10	1.25	407.50	Test
											407.50	

This shows a typical schedule – in this example of Service Jobs. There is a similar schedule relating to Next Maintenance “Checks”, as well as OH&S Matters to follow up.

The InterAcct database (files, fields, and menus) can all be personalized to suit – along with the Report Designs.

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