

Maintenance Calculator

Get Started!



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April 2012 Revised (10-12) Why?

Installation

How does it work ?

Configuration

- Configuration: Economical Dealer Data
- ✓ Configuration: Oil Prices
- ✓ Configuration: Filters & Belts Prices
- ✓ Configuration: Maintenance Time

Recommendations



The **Maintenance Calculator** is designed to help the dealer quote:

- ✓ Maintenance contract
- ✓ Scheduled maintenance
- ✓ Warranty extension

Maximum 5 clicks, less than 3 min!

This tool represents a base for quotation. The dealer can then adapt the result to his own objectives.



The maintenance calculator is basically designed for Microsoft Access 2010.

In order to run this software, proceed as follow:

- ✓ Save the compressed file
- ✓ Extract the file on your hard disc
- ✓ We strongly recommend to save one copy as back up.





MaintenanceCalculatorEuro_D... Microsoft Office Access 2007 ... 2 152 Ko

If your computer is not equipped with Microsoft Access 2010, no need to purchase a new License. The database will easily run using AccessRuntime (Stand alone usage or update Access 2007).

Please note there are 2 different versions of AccessRunTime: 32 or 64 bit Download the correct version according to the Operating System installed on your computer. The following slide will give you the link where you can download AccessRunTime.



http://www.microsoft.com/download/en/details.aspx?id=10910

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Do Microsof	t Access 2010 Runtin	ne	
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	Version: 1 Change Language: English	Date Published:	5/10/2010
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Overview

Microsoft Access 2010 provides a rich platform for developing database management solutions with easy-to-use customization tools. If no end-user customization is required (including report modifications), you can choose to distribute those Access 2010 solutions so that they run without requiring a full installation of Access 2010. To do so, you must package and distribute your application with the Access 2010 Runtime.

The Access 2010 Runtime is similar to previous runtimes in that all design-related UI is either removed or disabled.

You do not need to buy any special product in order to redistribute the Access 2010 Runtime. You can freely redistribute it or point users to this download.



↑ Top of page

Main Screen

	MaintenanceCalculatorEuro_Doosan201202 : Base de données (Access 2007) - Microsoft Access											
Accueil A Couper Coller Presse-papiers		rveau ♥ Orthographe gistrer ⊞ Plus × primer × gistrements Trier et filtrer Rechercher	emplacer tteindre ~ électionner ~ her									
Avertissement d	le sécurité Du contenu de la base de données a été désactivé Options		X									
	Planned Mair	tenance Quotation	₩ Bobcat.									
M	lachine Designation											
	CONTRACT											
	CUNTRACT	SCHEDULED MAINI	ENANCE									
Total of	of contract											
Total of Length Travel (perform	perating hours	Maintenance Type	Quote !									







Result of a Service Contract quotation slide 1/3

DOOSAN	Service	Contract Qu	otation	🐺 Bobcat	
	Machine	DL200			
	Serial Number				
	Total working hours	4000			
	Length of Contract in Years	1,84033462773869E-75			
	L		ê	Exit Ne	ew quotation



Oils

Maintenance Point	Volume	First Maintenance	Maintenance Periodicity	Minimum maintenance / Year	Oil Number	Oil Designation	Packaging Size	Current Price / liter	Volume needed	Total Price (contract)
Engine oil	28	50	500	1	EOD	Engine oil	25	0,00€	224	0,15€
Coolant	40	2000	2000	1	CD	Coolant	25	0,00€	80	0,05 €
Front/ Rear axle oil	38	500	1500	1	AOD	Axle oil	25	0,00€	114	0,08 €
Trasmission oil	30	50	1000	1	TOD	Transmission oil	25	0,00€	120	0,08 €
Hydraulic oil	115	2000	2000	1	HOD	Hydraulic oil	25	0,00€	230	0,16€
										0,52 €
4						III				• •



Result of a Service Contract quotation slide 2/3



Filters and belts

Maintenance Point	Service to perform	First Maintenance	Maintenance Periodicity	Minimum Maintenance / Year	Part Number	Part Number Current Price	Qantity / Maintenance	Total Number	Total Price (contract)
Engine oil Filter	Replace filter	50	500	1	95.05510-5032	55,28€	1	8	451,11 €
Fuel filter	Replace filter	500	500	1	95.12503-5026	24,57 €	1	8	200,46 €
Pre fuel filter	Replace filter	500	500	1	K1006530	29,38 €	1	8	239,77 €
Hydraulic oil filter	Replace filter	50	1000	1	474-00055	117,10€	1	4	477,77€
Pilot filter	Replace filter	500	500	1	K1009106	36,28€	1	8	296,07 €
Trasmission filter	Replace filter	250	1000	1	974-00021	65,77€	1	4	268,33 €
Air Cleaner Outer Element	Replace filter	1000	1000	1	974-00040	78,40 €	1	4	319,87 €
Air Cleaner inner Element	Replace filter	2000	2000	1	974-00039	44,13€	1	2	90,03 €
AC Cabin filter	Replace filter	1000	1000	1	471-00107	61,62€	1	4	251,40 €
Air Breather Element	Replace filter	1000	1000	1	K1029257	18,33€	1	4	74,80 €
Aircon Filter	Replace filter	1000	1000	1	400402-00001	35,27 €	1	4	143,89 €
belts Alternator	Replace the belt	1000	1000	1	65.96801-0194	22,15€	1	4	90,37 €
Aircon compressor belt	Replace the belt	1000	1000	1	2106-1019D25	14,05 €	1	4	57,32€
									2 961,20 €
4									



Result of a Service Contract quotation slide 3/3



Labor and travel

Maintenance Periodicity	Number of Maintenances	Time / Maintenance	Total Maintenance Time	Labor rate	Total Labor Cost (Contract)	Cost of 1 Travel	Total Travel Cost (Contract)					
250	8	3	24	58	1 420 €	100€	800€					
500	4	4	16	58	947€	100€	400€					
1000	2	5	10	58	592€	100€	200€					
2000	1	10	10	58	592€	100€	100€					
4000	1	10	10	58	592€	100€	100€					
8000	0	10	0	58	0€	100€	0€					
					4 141 €		1 600 €					
Labor and trave account in the	abor and travel costs to perform the first maintenance (50 hours and/or 100 hours) are not taken in account in the quotation above.											

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Warranty Extension

Coverage	Туре	Years	Hours	Price
Full Machine	Parts, Labor and Mileage	2	4000	1 417,00 €
Full Machine	Parts Only	2	4000	850,00 €
PowerTrain	Parts, Labor and Mileage	2	4000	850,00 €
PowerTrain	Parts Only	2	4000	512,00 €

Warranty extension proposal is also displayed if the duration of the contract matches with the warranty extension policy. If not, no result is displayed.



MaintenanceCalculatorEuro_Doosan:	201202 : Base de données (Access 2007) - Microsoft Access	_ = ×
Couper Image: Couper Coller Image: Couper Presse-papiers Image: Couper Police Image: Couper Texte enrichi Image: Couper	Nouveau ♥ Orthographe Enregistrer ☐ Plus Supprimer inregistrements	Get the
Avertissement de sécurité Du contenu de la base de données a été désactivé Options		Scheduled
Planned Mai	intenance Quotation 😽 Bobcat.	Maintenance
		in 3 clicks max
Machine Designation	✓	
		1. Select the machine
CONTRACT	SCHEDULED MAINTENANCE	
Total operating hours		2. Select the maintenance type
Travel Cost to Quote	Maintenance Type	•te! < 3. Quote
Bobcat / Doosan Trading LTD does not guarantee nor accepts any responsibility regard Bobcat / Doosan Trading Ltd reserves the right to cha	ing the accuracy and completeness of the information produced from this application. nge any of the information at any time without notice.	puration



Result of a Scheduled Maintenance quotation slide 1/1



Maintenance Point	Volume needed	Peridodicity	First Maintenance	Service mini requested / Year	Oil Designation	Oil Number	Packaging Size	Price / Liter	Total Cost
Engine oil	28	500	50	1	Engine oil	EOD	25	0,00€	0,02 €
									0,02 €

Maintenance Point		Description			Periodicity	First Maintenance	Service mini requested / year	Part Number	Quantity	Total Cost
Engine oil Filt	ter	Engine Oil Filter			500	50	1	95.05510-5032	1	55,28 €
Fuel filter		Fuel Filter			500	500	1	95.12503-5026	1	24,57 €
Pre fuel filter		Fuel PreFilter			500	500	1	K1006530	1	29,38 €
Pilot filter		Pilot filter			500	500	1	K1009106	1	36,28 €
[Service Type	Maintenance Time	Labor Rate	Labor Cost						145,52 €
	500	4	58	232,00 €						



Configuration

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Sese-papiers	・	♥ Orthographe ♥ Sélection ~ Plus ~ ♥ Options avancées ~ ▼ ♥ Options descriptions Plus * ♥ Options descriptions Trier et filtrer Rec	thercher Rechercher Rechercher	
Avertissement de sécurité Du contenu de la base	de données a été désactivé Options			x
DOOSAN	Planned Mainter	nance Quotation	🐺 Bobcat.	
Machine Designation			¥	
CC	DNTRACT	SCHEDULED	MAINTENANCE	
Total operating hours				=
Length of contract	years			
				luote !
Travel Cost to perform 1 Service	Quote !	Maintenance Type	<u> </u>	







Configuration: Economical Dealer Data

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Fic	hier						6
	😑 Discount, L	anding Cost Factor, G	ross Margin, Inflation	n Rate, Labor Rate : se	et your rates in Gre	en. Save	
	Family	Discount in % on Price List	Landing Cost Factor in %	Margin or Labor rate	Inflation % / Year	Comment	
•	BeltDoosan	0	0	40	2	"Discount " as % applied on the parts price list, "landing cost factor" as % applied on the purchase price. Margin in % you want to make by selling filters. Linear "Inflation" in % applied on the item,	
	FilterDoosan	0	0	40	2	"Discount " as % applied on the parts price list, "landing cost factor" as % applied on the purchase price. Margin in % you want to make by selling filters. Linear "Inflation" in % applied on the item,	
	Labor	0	0	58	2	Labor in Euros, Pounds or Dollars	
	OilDoosan	0	0	40	2	Discount " as % applied on the parts price list, "landing cost factor" as % applied on the purchase price. Margin in % you want to make by selling filters. Linear "Inflation" in % applied on the item,	
*		0	0	0	0		



E	Oils : Update y	our purchase prices in	green	
	Oil Number	Oil Designation	Oil Price List	Packaging Size in liters
	AOD	Axle oil	0,01	25
	<u></u>	Coolant		25
	CD	Coolant	0,01	25
	EOD	Engine oil	0.01	25
			0,01	
	HOD	Hydraulic oil	0,01	25
	SOD	Swing and travel reduction device	0,01	25
		011		
	TOD	Transmission oil	0,01	25



SpareParts : Up	odate your purchase p	orices in green	
Part Number	Part Number Description	Part Number Price List	Family
2106-1019D10	belts Aircon Comp	6,45	BeltDoosan
2106-1019D24	belts Aircon Comp	11,61	BeltDoosan
 2106-1019D25	belts Aircon Comp	8,43	BeltDoosan
 2106-1019D28	belts Aircon Comp	11,55	BeltDoosan
 2106-1019D29	belts Aircon Comp	9,04	BeltDoosan
 2106-1021D26	belts Aircon Comp	6,69	BeltDoosan
2471-6050A	AC inner filter	21,16	FilterDoosan
2471-9401A	Oil Suction Filter	48,23	FilterDoosan



Configuration: Maintenance Time

Fichier	- (≌ - ∓			Microsoft Access 🗢 🗟	83
	🖃 Maintenanc	eTime : modify or	ly the paran	neter in green (time in hour).	
	Machine	Service Type in hours	Maintenance Time		
	DX140LC	250	3		
	DX140LC	500	3		
	DX140LC	1000	4		
	DX140LC	2000	5,5		
	DX140LC	4000	5,5		
	DX140LC	8000	5,5		
	DX180LC	250	3		
	DX180LC	500	3		
	DX180LC	1000	3		
	DX180LC	2000	4		
Enr: M	DX180LC → 1 sur 246 → H 🛤 🌾 Non fi	4000 iltré Rechercher	5.5		-



Configuration: Maintenance Table

hier											
	Maintenance	Point							Sa	ave	
Machine	Maintenance Point	Service to perform	Service Type	Periodicity	First Time	Mini Nber of Services /Year	Part Number	Part Number Quantity	Oil Number	Oil Volume	
DX180LC	Air-Conditioning Outer Filter	Clean Air-Conditioning Outer Filter	CLEAN	500	500	4					
DX180LC	Front End Attachments	Inspect Pins and Bushings of the Front End Attachments for Signs of Wear.	CHECK	250	250	12					
DX180LC	Battery	Check Fluid Levels in Batteries and Battery Charge Levels	CHECK	250	250	12					
DX180LC	Nuts and Bolts	Inspect for Any Loose or Missing Nuts and Bolts.	CHECK	250	250	12					
DX225LC	Swing Gear and Pinion	Grease Swing Gear and Pinion.	GREASE	500	500	4					
DX180LC	Swing Gear and Pinion	Grease Swing Gear and Pinion.	GREASE	500	500	4					
DX180LC	Arm and Front Attachment Pins	Grease Arm and Front Attachment Pins.	GREASE	250	250	12					
DX180LC	Air-Conditioning Inner Filter	Check and Clean Air-Conditioning Inner Filter.	CLEAN	500	500	4					
DX180LC	Oil Cooler	Clean Oil Cooler.	CLEAN	500	500	4					
DX180LC	Radiator	Clean Radiator.	CLEAN	500	500	4					



Doosan / Bobcat Trading Ltd does not guarantee nor accepts any responsibility regarding the accuracy and the completeness of the information produced by this application.

Doosan / Bobcat Trading Ltd reserves the right to change any of the information at any time without prior notification.

Updates will be released regularly to integrate new models.

The update will include the complete database, which means that the modifications you have applied in the original file **WILL NOT BE IMPLEMENTED IN THE UPDATED VERSIONS.**

We strongly recommend to assign the responsibility of the Maintenance Calculator to one person in each facility. This person will have to support sales forces and update the settings implemented locally.





THANK YOU Bobcat.