



























**COST BASIS** 

**CHAPTER 3c. EQUIPMENT COST** 

Sale and Purchase

 If your sale of the old machine and purchase of the new are dependent on each other, the transactions are considered an exchange.

















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1982			118 2 18 18 B					
Table 1 (Table 3.1 Text)								
1000	Tax code specified depreciation rates							
	Tax coue spec	cilieu uepreciai	iontates					
12/21	Year of life	3-yr property	5-yr property					
	1	0.33	0.20					
	2	0.45	0.32					
	3	0.22	0.24					
1.1.1.1.1.1.1.1	4		0.16					
	5		0.08					
		X A X						
Cars and light-duty trucks are classified as 3-yr property.								
Most other pieces of construction equipment are 5-yr								
IVIOSU	other pieces of	construction equ	inpinient are 5-yr.					





## Example 9

CHAPTER 3c. EQUIPMENT COST

A company having a cost of capital rate of 8% purchases a \$300,000 tractor. This machine has an expected service life of 4 years and will be used 2,500 hr per year. The tires on this machine cost \$45,000. The estimated salvage value at the end of 4 years is \$50,000. Calculate the hourly tax saving resulting from depreciation. Assume that the machine is a 5-yr type property and that there



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C.A.	<b>Example 9 (cont'd)</b>								
	<ul> <li>Annual Depreciation amounts of all for each of the years</li> </ul>								
12	Year	5-yr property rates	$BV_{n-1}$	$D_n$	BV <sub>n</sub>				
	0		\$ 0	\$ 0	\$300,000				
	1	0.20	3000,000	60,000	240,000				
	2	0.32	240,000	96,000	144,000				
	3	0.24	144,000	72,000	72,000				
	4	0.16	72,000	48,000	24,000				
	5	0.08	24,000	24,000	0				
Mc									

	CHAPTER 3c.	EQUIPMENT C	OST		Slide No. 121
C. A. C. C.	<b>Exa</b>	mple	<b>9 (con</b>	t'd)	ENCE 420 ©Assakkaf
			5 (0011		
	∎ Us	ing Eq.	4, the tax	k shielding ef	fect for
	the	e machi	ne's serv	ice life would	be
		Year	$D_n$	Shielded amount*	
TO:		1	\$60,000	\$22,200	
		2	96,000	35,520	
		3	72,000	26,640	
	·		Total	\$102.120	
		* <i>D<sub>n</sub></i> × 37%		<i> </i>	
				\$102.120	
	Tax saving	; from dep	reciation $=$ –	$\frac{\$102,120}{(2.5001,1.0)} =$	\$10.21/hr
			4	$\operatorname{yr}(2,500  \mathrm{hr/yr})$	
Mc					











































































