

## Life Cycle Cost - All Purpose Rubber Track Compact Loader

Item Description - All Purpose Rubber Track Compact Loader		Murphy Tractor & Equipment Co.
Line #	State Agency Data Use for Calculations	
1	Projected Number of Months in Service:	180
2	Projected Number of Hours of Operation per Month	21
3	Projected Total Number of Hours	3,780
4	Number of Maintenance Cycles Performed Per Year	2
5	Fuel Cost-per-Gallon: (Current eia-U.S. Energy Information Administration)	\$ 3.21
Net Cost		
6	Bid Price (Listed on ITB Line # 1)	\$ 103,450.00
7	Projected Salvage Value (Using Projected Total Hours & Projected Total Months)	\$ 46,700.00
8	Total Net Cost (Line 6 - Line 7)	\$ 56,750.00
Operating Costs		
	Fuel	
9	Estimated Fuel Use Rate (Gallons Per Hour)	1.8
10	Projected Number of Hours	3,780
11	Projected Total Gallons (Line 9 x Line 10)	\$ 6,804.00
12	Fuel Cost-per-Gallon (Current eia-U.S. Energy Information Administration)	\$ 3.21
13	Total Estimated Fuel Cost (Line 11 x Line 12)	\$ 21,840.84
Estimated Maintenance Cost for Parts & Materials (Labor not included)		
14	Total Maintenance Cost	\$ 8,515.20
15	Total Operating Cost (Fuel + Maintenance) (Line 13 + Line 14)	\$ 30,356.04
16	Total Life-Cycle Cost (Net Cost, Line 8 + Total Operating Cost, Line 15)	\$ 87,106.04
17	Life-Cycle Cost Per Hour (Total Life-Cycle Cost divided by Total Hours) (Line 16/Line 3)	\$ 23.04

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Maintenance Cost Work Sheet				
Item No.	Total Maintenance Costs - Indicate materials necessary to provide maintenance for 5400 hours. (Subject to Add or Delete items for consideration)	No. of Maint. Procedures Performed During Life Cycle of	Vendor Supplied Cost for Material and/or Parts	Total Cost
1	Change engine oil and filter(s)	25	\$ 62.49	\$ 1,562.25
2	Lube chassis (grease all zerks)	25	\$ 3.84	\$ 96.00
3	Change hydraulic oil and filters	25	\$ 43.75	\$ 1,093.75
4	Change engine air filters	15	\$ 32.00	\$ 480.00
5	Change cab air filters	15	\$ 32.39	\$ 485.85
6	Change fuel filters	15	\$ 33.89	\$ 508.35
7	Change hydraulic oil	9	\$ 140.96	\$ 1,268.64
8	Change planetary oil	9	\$ 23.33	\$ 209.97
9	Replace engine belt(s)	3	\$ 60.95	\$ 182.85
10	Adjust engine valve clearance	2	\$ 27.90	\$ 55.80
11	Replace rubber drive tracks	1	\$2,571.74	\$ 2,571.74
12	Vendor added procedures to be listed below as needed			
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Total Life Cycle Maintenance Cost (To be entered in Line 14)			\$	8,515.20

**No Bid**  
**Nebraska Machinery Co**

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