

Equipment Age Adjustment Factors for Ownership Cost

Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment		Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
A10	.10	SELF PROPELLED			1.47	1.42	1.21	1.00	.90	.87											
A10	.20	TOWED & TAILGATE			1.47	1.43	1.21	1.00													
A15	.10	ROTARY SCREW			1.45	1.38	1.23	1.00	.94	.90	.85										
A15	.20	SHOP TYPE			1.41	1.35	1.21	1.00	.94	.91	.86	.81									
A20	.10	AIR DRILL HOSE			1.37	1.32	1.19														
A20	.20	SANDBLAST HOSE			1.37	1.32	1.19														
A20	.30	SANDBLASTERS, BREAKERS, & MISC. AIR TOOLS			1.40	1.34	1.20	1.00													
A25	.00	ASPHALT PAVING DISTRIBUTORS			1.41	1.37	1.18	1.00													

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Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
A30	.10	SELF PROPELLED		1.43	1.40	1.19	1.00	.90	.88													
A30	.20	TOWED		1.46	1.42	1.21	1.00	.90	.87	.81												
A30	.30	SLURRY SEAL PAVERS (Cold mix)		1.46	1.42	1.20	1.00	.90	.87	.81	.77											
A30	.40	MISCELLANEOUS ROAD EQUIPMENT		1.46	1.42	1.21	1.00	.90	.87	.81												
A35	.00	ASPHALT PAVING KETTLES		1.47	1.43	1.21	1.00															
A40	.00	ASPHALT & CONCRETE MILLERS / PROFILERS / PLANERS / ROTARY GRINDERS		1.47	1.43	1.21	1.00															
A45	.00	ASPHALT RECYCLERS & SEALERS		1.48	1.44	1.21	1.00															
B10	.10	ASPHALT		1.47	1.42	1.21	1.00	.90	.87													

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Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
B10	.20	CONCRETE			1.47	1.42	1.21	1.00	.90	.87											
B10	.30	PUGMILL			1.46	1.42	1.21	1.00	.90	.87	.81										
B15	.00	BROOMS, STREET SWEEPERS & FLUSHERS			1.27	1.23	1.12	1.00	.95	.93											
B20	.00	BRUSH CHIPPERS			1.27	1.23	1.12	1.00	.95	.93											
B25	.00	BUCKETS, CLAMSHELL			1.29	1.26	1.12	1.00	.95	.94											
B30	.10	GENERAL PURPOSE, MANUAL TRIP			1.27	1.24	1.11	1.00	.96	.95											
B30	.20	LAYDOWN			1.27	1.24	1.11	1.00	.96	.95											
B30	.30	LOWBOY			1.27	1.24	1.11	1.00	.96	.95											

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Type of Equipment				Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
B30	.40	LOW SLUMP				1.27	1.24	1.11	1.00	.96	.95											
B35	.10	LIGHT WEIGHT				1.29	1.26	1.12	1.00	.95	.94											
B35	.20	MEDIUM WEIGHT				1.29	1.26	1.12	1.00	.95	.94											
B35	.30	HEAVY WEIGHT				1.29	1.26	1.12	1.00	.95	.94	.89										
C05	.00	CHAIN SAWS				1.27	1.23															
C10	.10	COMPACTORS, RAMMERS / TAMPERS & VIBRATORY PLATES				1.26	1.22	1.11														
C10	.20	ROLLERS, VIBRATORY				1.29	1.25	1.13														
C15	.10	WALK BEHIND				1.31	1.27	1.14														

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Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment		Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
C15	.20	TRUCK/TRAILER MOUNTED			1.31	1.26	1.13	1.00	.94	.92											
C20	.00	CONCRETE BUGGIES			1.31	1.27	1.14														
C25	.10	FINISHERS/TROWELS			1.31	1.26	1.14	1.00													
C25	.20	VIBRATORY SCREED			1.31	1.26	1.14	1.00													
C25	.25	VIBRATORY LASER SCREED			1.35	1.30	1.16	1.00	.93	.91											
C25	.30	MATERIAL/TOPPING SPREADERS			1.35	1.30	1.16	1.00	.93	.91											
C30	.00	CONCRETE GRINDERS			1.31	1.26	1.14	1.00													
C35	.00	CONCRETE GUNITERS / SHOTCRETERS			1.33	1.28	1.15	1.00	.94												

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
C40	.00	CONCRETE MIXING UNITS			1.31	1.26	1.14	1.00															
C45	.00	CONCRETE PAVING MACHINES			1.47	1.43	1.21	1.00															
C55	.00	CONCRETE PUMPS			1.27	1.23	1.12	1.00	.95	.93													
C60	.00	CONCRETE SAWS (Add cost for sawblade wear)			1.27	1.23	1.12	1.00															
C65	.00	CONCRETE VIBRATORS			1.40	1.34	1.21																
C75	.00	CRANES, HYDRAULIC, SELF-PROPELLED			1.30	1.27	1.12	1.00	.95	.94	.88	.90	.89	.88									
C80	.01	UNDER 26 TON			1.30	1.27	1.12	1.00	.95	.94	.88	.90	.89	.88									
C80	.02	26 TON THRU 65 TON			1.30	1.26	1.12	1.00	.95	.94	.88	.90	.89	.88	.87								

Equipment Age Adjustment Factors for Ownership Cost

Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
C80	.03	66 TON THRU 125 TON			1.29	1.26	1.12	1.00	.95	.94	.88	.90	.89	.89	.87	.86					
C80	.04	OVER 125 TON			1.29	1.26	1.12	1.00	.95	.94	.88	.90	.89	.89	.87	.86	.84	.83			
C85	.11	DRAGLINE, CLAMSHELL, 0 THRU 1.0 CY			1.32	1.28	1.13	1.00	.95	.94	.87	.89	.88								
C85	.12	DRAGLINE, CLAMSHELL, OVER 1.0 CY THRU 2.5 CY			1.31	1.28	1.13	1.00	.95	.94	.88	.89	.88	.88	.86						
C85	.13	DRAGLINE, CLAMSHELL, OVER 2.5 CY THRU 5.0 CY			1.31	1.28	1.12	1.00	.95	.94	.88	.90	.88	.88	.86	.85					
C85	.14	DRAGLINE, CLAMSHELL, OVER 5.0 CY			1.31	1.27	1.12	1.00	.95	.94	.88	.90	.88	.88	.87	.85	.83	.82			
C85	.21	LIFTING, 0 THRU 25 TON			1.31	1.28	1.13	1.00	.95	.94	.88	.89	.88	.88	.86						
C85	.22	LIFTING, 26 TON THRU 50 TON			1.31	1.28	1.12	1.00	.95	.94	.88	.90	.88	.88	.86	.85					

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Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
C85	.23	LIFTING, 51 TON THRU 150 TON			1.29	1.26	1.12	1.00	.95	.94	.88	.90	.89	.89	.87	.86	.84	.83			
C85	.24	LIFTING, OVER 150 TON			1.29	1.26	1.12	1.00	.95	.94	.88	.90	.89	.89	.87	.86	.84	.83	.80		
C90	.01	UNDER 26 TON			1.30	1.27	1.12	1.00	.95	.94	.88	.90	.89	.88							
C90	.02	26 TON THRU 65 TON			1.30	1.26	1.12	1.00	.95	.94	.88	.90	.89	.88	.87						
C90	.03	66 TON THRU 125 TON			1.31	1.28	1.12	1.00	.95	.94	.88	.90	.88	.88	.86	.85					
C90	.04	OVER 125 TON			1.31	1.27	1.12	1.00	.95	.94	.88	.90	.88	.88	.87	.85	.83	.82			
C95	.00	CRANES, TOWER			1.31	1.28	1.12	1.00	.95	.94	.88	.90	.88	.88	.86	.85					
D10	.10	DRILLS, AIR TRACK (Add cost for drill steel and bit wear)			1.27	1.23	1.13	1.00	.95	.97	.95	.94	.93								

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Region	10	Life in Years =	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment		Purchase Year	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
D10	.20	DRILLS, HYDRAULIC TRACK (Add cost for drill steel and bit wear)	1.27	1.23	1.14	1.00	.95	.97	.95										
D15	.10	DRILLS, HORIZONTAL BORING & GROUND PIERCING (Add cost for drill steel and bit wear)	1.27	1.23	1.14	1.00	.95	.97	.95										
D15	.20	DRILLS, HORIZONTAL & DIRECTIONAL (Add cost for drill steel and bit wear)	1.27	1.23	1.14	1.00	.95	.97	.95										
D20	.00	DRILLS, CORE, COLUMN MOUNTED (Add cost for drill steel and bit wear)	1.28	1.23	1.14	1.00	.95	.97											
D25	.00	DRILLS, CORE & DOWELLING (Add cost for drill steel and bit wear)	1.27	1.23	1.14	1.00	.95	.97	.95										
D30	.00	DRILLS, EARTH / AUGER (Add cost for drill steel, cutting edge wear, and crane when applicable)	1.27	1.23	1.14	1.00	.95	.97	.95										
D35	.11	DIESEL, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)	1.25	1.21	1.13	1.00	.95	.97	.95	.94	.93								

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Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
D35	.12	DIESEL, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)			1.25	1.21	1.12	1.00	.96	.97	.95	.94	.93	.92								
D35	.21	ELECTRIC, 4.5" THRU 9.875" DIAMETER HOLE (Add cost for drill steel and bit wear)			1.25	1.21	1.13	1.00	.95	.97	.95	.94	.93									
D35	.22	ELECTRIC, OVER 9.875" DIAMETER (Add cost for drill steel and bit wear)			1.25	1.21	1.12	1.00	.96	.97	.95	.94	.93	.92								
F10	.00	FORK LIFTS			1.30	1.25	1.13	1.00	.94	.92	.87											
G10	.10	PORTABLE			1.31	1.27	1.17	1.00	.96	.95												
G10	.20	SKID MOUNTED			1.31	1.27	1.17	1.00	.96	.95	.93											
G15	.00	GRADERS, MOTOR			1.33	1.26	1.12	1.00	.96	.94	.87	.89	.88									
H10	.00	HAMMERS, HYDRAULIC (Demolition tool) (Add cost for point wear)			1.31	1.26	1.14	1.00														

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Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
H13	.11	COMPACTORS (Compression force) 0 THRU 50 TONS			1.28	1.24	1.12	1.00	.95	.93	.88											
H13	.12	COMPACTORS (Compression force) OVER 50 TONS			1.30	1.25	1.13	1.00	.94	.92	.88	.86										
H13	.21	FILTER PRESSES, STATIONARY			1.30	1.25	1.13	1.00	.94	.92	.87											
H13	.22	FILTER PRESSES, MOBILE			1.28	1.24	1.12	1.00	.95	.93	.88											
H13	.30	CENTRIFUGES			1.31	1.27	1.14															
H13	.40	SHREDDERS			1.28	1.24	1.12	1.00	.95	.93	.88											
H13	.51	SOIL TREATMENT PLANT, MOBILE			1.28	1.24	1.12	1.00	.95	.93	.88											
H13	.61	SLUDGE PROCESSING EQUIP, SLUDGE DISPENSERS			1.28	1.24	1.12	1.00	.95	.93	.88											

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Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
H13	.71	WASTE HANDLING EQUIPMENT, DRUM HANDLING			1.29	1.25	1.13															
H20	.00	HOISTS & AIR WINCHES			1.30	1.26	1.13	1.00	.94	.92												
H25	.10	0 LBS THRU 12,500 LBS			1.35	1.31	1.14	1.00	.94	.93												
H25	.11	OVER 12,500 LBS THRU 40,000 LBS			1.35	1.31	1.14	1.00	.94	.93												
H25	.12	OVER 40,000 LBS THRU 100,000 LBS			1.34	1.30	1.14	1.00	.94	.93	.86	.88										
H25	.13	OVER 100,000 LBS THRU 160,000 LBS			1.34	1.30	1.14	1.00	.94	.93	.87	.89	.87									
H25	.14	OVER 160,000 LBS			1.32	1.29	1.13	1.00	.95	.94	.87	.89	.88	.87	.86	.84	.82					
H25	.21	EXCAVATOR ATTACHMENTS, MOBILE SHEARS			1.29	1.24	1.13	1.00														

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Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
H25	.22	EXCAVATOR ATTACHMENTS, MATERIAL HANDLING			1.31	1.26	1.14	1.00															
H25	.23	EXCAVATOR ATTACHMENTS, CONCRETE PULVERIZERS			1.29	1.24	1.13	1.00															
H25	.24	EXCAVATOR ATTACHMENTS, COMPACTORS			1.29	1.24	1.13	1.00															
H30	.01	0 THRU 1.0 CY			1.35	1.31	1.14	1.00	.94	.93													
H30	.02	OVER 1.0 CY			1.35	1.31	1.14	1.00	.94	.93	.86												
H35	.11	DIESEL, 0 CY THRU 5.0 CY			1.32	1.28	1.13	1.00	.95	.94	.87	.89	.88										
H35	.12	DIESEL, OVER 5.0 CY			1.32	1.28	1.13	1.00	.95	.94	.87	.89	.88	.88									
H35	.21	ELECTRIC, OVER 2.5 CY			1.31	1.28	1.13	1.00	.95	.94	.87	.89	.88	.88									

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Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
L10	.00	LAND CLEARING EQUIPMENT			1.31	1.25	1.12	1.00	.96	.94	.87											
L15	.00	LANDSCAPING EQUIPMENT			1.29	1.25	1.13	1.00														
L20	.10	LIGHTING SETS, TRAILER MOUNTED			1.31	1.26	1.13	1.00	.94	.92												
L25	.00	LINE STRIPING EQUIPMENT			1.31	1.26	1.13	1.00	.94	.92												
L30	.00	LOADERS, BELT (Conveyor belts) & ACCESSORIES			1.30	1.25	1.13	1.00	.94	.92	.87											
L35	.00	LOADERS, FRONT END, CRAWLER TYPE			1.31	1.25	1.12	1.00	.96	.94	.87											
L40	.11	ARTICULATED, 0 THRU 225 HP			1.33	1.27	1.13	1.00	.96	.93	.87											
L40	.12	ARTICULATED, OVER 225 HP			1.30	1.25	1.12	1.00	.96	.94	.88	.86	.86									

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Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
L40	.20	SKID STEER			1.31	1.26	1.12	1.00	.96														
L40	.21	SKID STEER ATTACHMENTS			1.32	1.26	1.13																
L40	.31	TOOL CARRIER & TELESCOPIC HANDLERS, 0 THRU 225 HP			1.33	1.27	1.13	1.00	.96	.93	.87												
L40	.32	TOOL CARRIER & TELESCOPIC HANDLERS, OVER 225 HP			1.29	1.24	1.11	1.00	.96	.94	.88	.87											
L45	.00	LOADERS / BACKHOE, CRAWLER TYPE			1.31	1.26	1.12	1.00	.96	.94													
L50	.00	LOADERS / BACKHOE, WHEEL TYPE			1.33	1.27	1.13	1.00	.96	.93	.87												
L55	.00	LOADER / BACKHOE, ATTACHMENTS			1.31	1.26	1.14	1.00															
L60	.00	LOG SKIDDERS			1.20	1.18	1.12	1.00	.92	.90	.88												

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Type of Equipment		Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
M10	.11	AQUATIC MAINTENANCE			1.15	1.12	1.08	1.00	.97	.95	.93										
M10	.12	AQUATIC MAINTENANCE ATTACHMENTS			1.16	1.13	1.09	1.00													
M10	.21	HYDRAULIC CUTTERHEAD DREDGE, 8" OR LESS,TRANSPORTABLE			1.14	1.11	1.07	1.00	.97	.95	.93	.92	.91	.90	.89						
M10	.22	HYDRAULIC CUTTERHEAD DREDGE,8" - 12",TRANSPORTABLE			1.14	1.11	1.07	1.00	.97	.95	.93	.92	.91	.90	.89						
M10	.23	HYDRAULIC AUGERHEAD DREDGE,12" OR LESS,TRANSPORTABLE			1.14	1.11	1.07	1.00	.97	.95	.93	.92	.91	.90	.89						
M10	.24	HYDRAULIC FLOATING PUMPS,12" OR LESS,TRANSPORTABLE			1.14	1.11	1.08	1.00	.97	.95											
M10	.25	HYDRAULIC DREDGE PUMPS,12" OR LESS,TRANSPORTABLE			1.15	1.12	1.08	1.00													
M10	.26	HYDRAULIC DREDGE / PUMP ATTACHMENTS			1.15	1.12	1.08	1.00													

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Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
M10	.31	SMALL MECH DREDGES,CLAMSHELL,BARGE-MTD TO 5 CY			1.29	1.26	1.12	1.00	.95	.94	.88	.90	.89	.89	.87	.86						
M10	.32	SMALL MECH DREDGES, AMPHIBIOUS EXCAVATORS			1.30	1.27	1.12	1.00	.95	.94	.88											
M10	.33	SMALL MECH DREDGES,HOE-MOUNTED DREDGING ATTACH			1.14	1.11	1.08	1.00	.97	.95	.93	.92	.90	.90	.88	.86	.85	.84				
M10	.41	WORK FLOATS (SECTIONAL, NON-DREDGING)			1.14	1.11	1.08	1.00														
M10	.42	WORK BARGES (SECTIONAL, NON-DREDGING)			1.14	1.11	1.07	1.00	.97	.95	.93	.92	.91	.90	.89	.87	.86	.85	.83	.81	.78	
M10	.45	FLAT-DECK OR CARGO BARGE (NON-DREDGING)			1.13	1.10	1.07	1.00	.97	.96	.94	.92	.91	.91	.89	.88	.87	.86	.84	.82	.79	
M10	.46	DUMP SCOW (NON-DREDGING)			1.13	1.10	1.07	1.00	.97	.96	.94	.92	.91	.91	.89	.88	.87	.86	.84	.82	.79	
M10	.47	DRILL BARGE (NON-DREDGING)			1.13	1.10	1.07	1.00	.97	.96	.93	.92	.91	.90	.89	.88	.87	.85	.84	.82	.78	

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
M10	.48	ALL OTHER BARGES (NON-DREDGING)			1.13	1.10	1.07	1.00	.97	.96	.93	.92	.91	.90	.89	.88	.87	.85	.84	.82	.78		
M10	.51	BOATS & LAUNCHES, 0 THRU 250 HP			1.15	1.12	1.08	1.00	.97	.95	.93	.91	.90	.90	.88								
M10	.53	BOATS & LAUNCHES, GREATER THAN 250 HP			1.14	1.11	1.07	1.00	.97	.95	.93	.92	.91	.90	.89	.87							
M10	.54	TUGS, UNDER 1,000 HP			1.13	1.11	1.07	1.00	.97	.96	.93	.92	.91	.90	.89	.87	.86	.85	.83	.81	.78		
M10	.55	TUGS, GREATER THAN 1,000 HP			1.13	1.10	1.07	1.00	.97	.96	.93	.92	.91	.91	.89	.88	.87	.86	.84	.82	.78		
P10	.00	PILE HAMMER ACCESSORIES - EXTRACTORS & BOX LEADS			1.39	1.33	1.17	1.00															
P20	.10	PILE HAMMERS, DOUBLE ACTING - DIESEL			1.33	1.28	1.15	1.00															
P20	.20	PILE HAMMERS, DOUBLE ACTING - PNEUMATIC (STEAM/AIR)			1.31	1.26	1.14	1.00															

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
P25	.10	PILE HAMMERS, SINGLE ACTING - DIESEL		1.31	1.26	1.14	1.00															
P25	.20	PILE HAMMERS, SINGLE ACTING - PNEUMATIC (STEAM/AIR)		1.29	1.24	1.13	1.00															
P30	.00	PILE HAMMERS, DRIVER/ EXTRACTOR, VIBRATORY		1.31	1.26	1.14	1.00															
P35	.00	PIPELAYERS		1.30	1.25	1.12	1.00	.96	.94	.88	.87	.86	.85									
P40	.00	PLATFORMS & MAN-LIFTS		1.29	1.26	1.12	1.00	.95	.94													
P45	.00	PUMPS, GROUT		1.29	1.24	1.13	1.00	.94	.93													
P50	.11	ENGINE DRIVE		1.31	1.26	1.13	1.00	.94	.92													
P50	.12	ELECTRIC DRIVE		1.31	1.26	1.13	1.00	.94	.92													

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
P50	.21	WHEEL MOUNTED, ENGINE DRIVE			1.31	1.26	1.13	1.00	.94	.92												
P50	.22	WHEEL MOUNTED, ELECTRIC DRIVE			1.31	1.26	1.13	1.00	.94	.92												
P50	.31	PUMPS, WATER, CENTRIFUGAL, TRASH - HOSES, PUMP, SUCTION & DISCHARGE			1.27	1.23	1.12															
P55	.01	ENGINE DRIVE			1.31	1.26	1.13	1.00	.94	.92												
P55	.02	ELECTRIC DRIVE (PROVIDE POWER SOURCE)			1.29	1.24	1.13	1.00	.94	.93												
P60	.11	SKID MOUNTED, ENGINE DRIVE			1.31	1.26	1.13	1.00	.94	.92												
P60	.12	SKID MOUNTED, ELECTRIC DRIVE			1.29	1.24	1.13	1.00	.94	.93												
P60	.21	WHEEL MOUNTED, ENGINE DRIVE			1.31	1.26	1.13	1.00	.94	.92												

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
P60	.22	WHEEL MOUNTED, ELECTRIC DRIVE			1.29	1.24	1.13	1.00	.94	.93												
P65	.11	SKID MOUNTED, ENGINE DRIVE			1.31	1.26	1.13	1.00	.94	.92												
P65	.12	SKID MOUNTED, ELECTRIC DRIVE			1.29	1.24	1.13	1.00	.94	.93												
P65	.21	WHEEL MOUNTED, ENGINE DRIVE			1.31	1.26	1.13	1.00	.94	.92												
P65	.22	WHEEL MOUNTED, ELECTRIC DRIVE			1.29	1.24	1.13	1.00	.94	.93												
P70	.01	PUMPS, WATER (For core drills) - ENGINE DRIVE			1.33	1.28	1.14	1.00	.94	.92												
P70	.02	PUMPS, WATER (For core drills) - ELECTRIC DRIVE			1.33	1.28	1.14	1.00	.94	.92												
R10	.00	RIPPERS (Add cost for point wear)			1.31	1.26	1.12	1.00	.96	.94												

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
R15	.00	ROLLERS, STATIC, TOWED, PNEUMATIC		1.21	1.19	1.13	1.00	.92	.90	.87												
R20	.00	ROLLERS, STATIC, TOWED, STEEL DRUM		1.21	1.19	1.13	1.00	.92	.90	.87												
R30	.01	PNEUMATIC		1.20	1.18	1.13	1.00	.92	.90													
R30	.02	SMOOTH DRUM		1.20	1.18	1.12	1.00	.92	.90	.88												
R30	.03	TAMPING FOOT, LANDFILL & SOIL COMPACTORS		1.21	1.19	1.13	1.00	.92	.90	.87	.84											
R40	.00	ROLLERS, VIBRATORY, TOWED		1.22	1.20	1.13	1.00	.92	.89													
R45	.00	ROLLERS, VIBRATORY, SELF-PROPELLED, DOUBLE DRUM		1.22	1.20	1.13	1.00	.92	.89													
R50	.00	ROLLERS, VIBRATORY, SELF-PROPELLED, SINGLE DRUM		1.23	1.21	1.14	1.00	.91	.89													

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment				Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
R55	.00	ROOFING EQUIPMENT			1.29	1.24	1.13	1.00															
S10	.01	0 THRU 200 HP			1.31	1.25	1.11	1.00	.96	.94	.87												
S10	.02	OVER 200 HP			1.33	1.26	1.12	1.00	.96	.94	.87	.89	.88										
S15	.00	SCRAPERS, CONVENTIONAL			1.30	1.24	1.11	1.00	.96	.94	.88	.90	.89	.88									
S20	.00	SCRAPERS, TANDEM POWERED			1.30	1.24	1.11	1.00	.96	.94	.88	.90	.89	.88									
S25	.00	SCRAPERS, TRACTOR DRAWN			1.31	1.25	1.11	1.00	.96	.94	.87	.89											
S30	.10	CONVEYORS			1.27	1.23	1.12	1.00	.95	.93	.89												
S30	.20	CRUSHERS - VERTICAL & HORIZONTAL SHAFT IMPACTOR			1.26	1.22	1.11	1.00	.95	.93	.89	.88	.87	.87	.85	.84	.82	.78	.75	.75	.73		

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
S30	.21	CRUSHERS - CONE			1.26	1.22	1.11	1.00	.95	.93	.89	.88	.87	.87	.85	.84	.82	.78	.75	.75	.73	
S30	.22	CRUSHERS - JAW			1.26	1.22	1.11	1.00	.95	.93	.89	.88	.87	.87	.85	.84	.82	.78	.75	.75	.73	
S30	.30	SCREENING PLANT			1.27	1.23	1.12	1.00	.95	.93	.89											
S35	.00	SNOW REMOVAL EQUIPMENT			1.31	1.26	1.13	1.00	.94	.92												
S40	.00	SOIL & ROAD STABILIZERS			1.31	1.25	1.11	1.00	.96	.94	.87											
S45	.00	SPLITTERS, ROCK & CONCRETE			1.31	1.26	1.14	1.00														
T10	.00	TRACTOR BLADES & ATTACHMENTS (including agricultural)			1.31	1.25	1.12	1.00	.96	.94	.87											
T15	.01	0 THRU 225 HP			1.35	1.29	1.14	1.00	.96	.93	.86											

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
T15	.02	226 HP THRU 425 HP		1.33	1.27	1.13	1.00	.96	.93	.87	.85											
T15	.03	OVER 425 HP		1.30	1.24	1.12	1.00	.96	.94	.88	.87	.86	.85									
T20	.00	TRACTORS, WHEEL TYPE (DOZER)		1.20	1.18	1.12	1.00	.92	.90	.88	.85	.85	.83									
T25	.10	CRAWLER		1.20	1.18	1.12	1.00	.92	.90	.88												
T25	.20	WHEEL		1.20	1.18	1.13	1.00	.92	.90													
T30	.00	TRENCHERS, CHAIN TYPE CUTTER		1.22	1.20	1.13	1.00	.92	.89													
T35	.00	TRENCHERS, WHEEL TYPE CUTTER		1.22	1.20	1.13	1.00	.92	.89													
T40	.10	CRANES / HOISTS, PERSONNEL & MATERIAL HANDLING		1.31	1.26	1.13	1.00	.94	.92													

Equipment Age Adjustment Factors for Ownership Cost

Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
T40	.20	DUMP BODY, REAR			1.27	1.23	1.12	1.00	.95	.93											
T40	.30	FLATBEDS, WITH SIDES			1.31	1.26	1.13	1.00	.94	.92											
T40	.41	HOIST, ELECTRIC DRIVE			1.31	1.26	1.13	1.00	.94	.92											
T40	.50	TRANSIT MIXERS			1.29	1.24	1.13	1.00	.94	.93											
T40	.60	WATER TANKS			1.33	1.28	1.14	1.00	.94	.92											
T40	.70	ALL OTHER OPTIONS			1.31	1.26	1.13	1.00	.94	.92											
T45	.10	BOTTOM DUMP			1.27	1.23	1.12	1.00	.95	.93	.89										
T45	.20	END / SIDE DUMP			1.27	1.23	1.12	1.00	.95	.93	.89										

Equipment Age Adjustment Factors for Ownership Cost

Region		10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
T45	.30	PUP TRAILER			1.27	1.23	1.12	1.00	.95	.93											
T45	.41	LOWBOY, RIGID NECK, DROP DECK			1.27	1.23	1.12	1.00	.95	.93	.89										
T45	.50	FLATBED TRAILER			1.27	1.23	1.12	1.00	.95	.93	.89										
T45	.60	MISCELLANEOUS / UTILITY			1.27	1.23	1.12	1.00	.95	.93	.89										
T45	.70	WATER TANKER TRAILER			1.32	1.27	1.14	1.00	.94	.92	.87										
T45	.80	DECONTAMINATION FACILITY			1.33	1.28	1.14	1.00	.94	.92											
T45	.90	TANK TRAILERS			1.32	1.27	1.14	1.00	.94	.92	.87										
T50	.01	0 THRU 10,000 GVW			1.20	1.16	1.07	1.00	.97	.96											

Equipment Age Adjustment Factors for Ownership Cost

Region		10	Life in Years =	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year	2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
T50	.02	OVER 10,000 THRU 30,000 GVW (Chassis only - Add options)		1.20	1.15	1.07	1.00	.97	.96	.92										
T50	.03	OVER 30,000 GVW (Chassis only - Add options)		1.19	1.15	1.07	1.00	.97	.96	.92	.92									
T55	.10	RIGID FRAME		1.32	1.27	1.17	1.00	.94	.93	.88	.85	.84								
T55	.20	ARTICULATED FRAME		1.33	1.27	1.18	1.00	.94	.93	.88										
T56	.10	PRIME MOVER TRACTORS		1.31	1.26	1.17	1.00	.94	.93	.88	.86	.85	.84	.82	.80	.79	.77			
T56	.20	WAGONS, BOTTOM DUMP		1.34	1.28	1.18	1.00	.94	.92	.87	.84	.83	.82							
T56	.30	WAGONS, REAR DUMP		1.34	1.29	1.18	1.00	.94	.92	.87	.84									
T57	.00	TRUCKS, VACUUM		1.30	1.25	1.13	1.00	.94	.92	.87										

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
T60	.00	TRUCKS, WATER, OFF-HIGHWAY			1.34	1.29	1.18	1.00	.94	.92	.87	.84											
T65	.10	DRIFTING & TUNNELING DRILLS			1.24	1.20	1.12	1.00	.96	.97	.95	.94	.94	.93									
T65	.20	TUNNEL BORING MACHINES			1.27	1.23	1.12	1.00	.95	.93	.89	.88	.87	.86	.84	.83							
T65	.30	PRODUCTION DRILLING RIGS			1.24	1.20	1.12	1.00	.96	.97	.95	.94											
T65	.40	ROADHEADERS & CONTINUOUS MINERS			1.28	1.23	1.12	1.00	.95	.93	.88	.87	.87	.86	.84								
T65	.50	ROCK BOLTING EQUIPMENT			1.30	1.25	1.13	1.00	.94	.92	.87												
T65	.61	LOADING & HAULING EQUIPMENT, DIESEL OR GAS			1.30	1.25	1.13	1.00	.94	.92	.88	.86											
T65	.62	LOADING & HAULING EQUIPMENT, ELECTRIC			1.29	1.25	1.13	1.00	.94	.92	.88	.87	.86	.85									

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =		0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year		2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
T65	.63	LOADING & HAULING EQUIPMENT, AIR-POWERED		1.32	1.27	1.14	1.00	.94	.92	.87												
T65	.70	LOCOMOTIVES		1.30	1.25	1.13	1.00	.94	.92	.88	.86											
T65	.90	OTHER TUNNELING EQUIPMENT		1.30	1.25	1.13	1.00	.94	.92	.87												
W10	.00	WAGONS, BOTTOM DUMP		1.32	1.27	1.17	1.00	.94	.93	.88	.85											
W15	.00	WAGONS, REAR DUMP		1.32	1.27	1.17	1.00	.94	.93	.88	.85											
W25	.10	LOW PRESSURE, (< 5,000 PSI)		1.31	1.27	1.14																
W25	.20	HIGH PRESSURE, (>= 5,000 PSI)		1.31	1.27	1.14																
W25	.30	STEAM CLEANERS		1.31	1.27	1.14																

Equipment Age Adjustment Factors for Ownership Cost

Region			10	Life in Years =			0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Type of Equipment			Purchase Year			2024	2023	2022	2021	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	
W25	.40	CO2 BLASTERS			1.31	1.26	1.14	1.00															
W25	.50	WET ABRASIVE BLASTING SYSTEM (TORBO)			1.37	1.31	1.16	1.00	.93	.90	.84												
W30	.10	PORTABLE WITH WHEELS			1.34	1.29	1.19	1.00	.94	.92	.87	.84											
W30	.20	SKID MOUNTED			1.34	1.29	1.19	1.00	.94	.92	.87	.84											
W35	.10	ENGINE DRIVEN			1.33	1.28	1.14	1.00	.94	.92													
W35	.20	ELECTRIC DRIVEN			1.31	1.26	1.14	1.00															