

## Non-Road Grader 7-Year Activity Life

Use the Column corresponding to the Horsepower Range and Emissions Model Year of the engine being replaced

Use the Row corresponding to the Certified NO<sub>x</sub> Emissions Standard or Family Emissions Limit (FEL) of the replacement engine (if between the numbers listed, use the higher rate).

Replacement Engine Emissions Standard or FEL (g/bhp-hr)	Engine Being Replaced - Horsepower Range and Emissions Model Year												
	25 - 49				50 - 74				75 - 99				
	pre-1998	1999 - 2003	2004 - 2012	2013 - 2016	pre-1997	1998 - 2003	2004 - 2007	2008 - 2016	pre-1997	1998 - 2003	2004 - 2007	2008 - 2012	2013 - 2016
5.320	\$4,638				\$14,387				\$20,189				
4.655	\$6,279	\$5,157			\$17,137	\$9,282			\$24,047	\$13,024			
4.560	\$6,514	\$5,391			\$17,529	\$9,674			\$24,598	\$13,575			
3.325	\$9,561	\$8,438	\$4,922		\$22,635	\$14,780	\$8,248		\$31,762	\$20,740	\$11,574		
2.850	\$10,733	\$9,610	\$6,094		\$24,599	\$16,744	\$10,212		\$34,518	\$23,496	\$14,329		
2.500	\$11,596	\$10,473	\$6,958		\$26,046	\$18,191	\$11,659		\$36,549	\$25,526	\$16,360		
2.000	\$12,830	\$11,707	\$8,191	\$3,269	\$28,113	\$20,258	\$13,726	\$5,478	\$39,449	\$28,427	\$19,261	\$7,687	
1.500	\$14,063	\$12,941	\$9,425	\$4,503	\$30,180	\$22,325	\$15,793	\$7,545	\$42,350	\$31,327	\$22,161	\$10,587	
1.000	\$15,297	\$14,174	\$10,658	\$5,736	\$32,248	\$24,392	\$17,860	\$9,612	\$45,251	\$34,228	\$25,062	\$13,488	
0.300	\$17,024	\$15,901	\$12,386	\$7,463	\$35,142	\$27,286	\$20,754	\$12,506	\$49,312	\$38,289	\$29,123	\$17,549	
0.000	\$17,764	\$16,642	\$13,126	\$8,204	\$36,382	\$28,527	\$21,994	\$13,747	\$51,052	\$40,029	\$30,863	\$19,290	\$1,740

Replacement Engine Emissions Standard or FEL (g/bhp-hr)	Engine Being Replaced - Horsepower Range and Emissions Model Year														
	100 - 174					175 - 299					300 - 599				
	pre-1996	1997 - 2002	2003 - 2006	2007 - 2011	2012 - 2016	pre-1995	1996 - 2002	2003 - 2005	2006 - 2010	2011 - 2016	pre-1995	1996 - 2000	2001 - 2005	2006 - 2010	2011 - 2016
6.900	\$23,752					\$37,929					\$77,932				
6.745	\$25,168					\$40,378					\$82,578				
5.320	\$38,186					\$62,899					\$125,290				
4.655	\$44,261	\$20,509				\$73,408	\$35,479				\$145,223	\$67,291			
4.560	\$45,129	\$21,377				\$74,910	\$36,981				\$148,070	\$70,138			
3.325	\$56,412	\$32,659	\$12,150			\$94,427	\$56,498	\$21,019			\$185,088	\$107,156	\$37,018		
2.850	\$60,751	\$36,999	\$16,490			\$101,934	\$64,005	\$28,526			\$199,325	\$121,393	\$51,255		
2.500	\$63,948	\$40,196	\$19,687			\$107,465	\$69,536	\$34,057			\$209,816	\$131,884	\$61,746		
2.000	\$68,516	\$44,764	\$24,255	\$7,765		\$115,967	\$77,438	\$41,959	\$13,433		\$224,803	\$146,871	\$76,733	\$25,478	
1.500	\$73,084	\$49,332	\$28,822	\$12,333		\$123,269	\$85,340	\$49,861	\$21,335		\$239,790	\$161,858	\$91,719	\$40,464	
1.000	\$77,652	\$53,899	\$33,390	\$16,901		\$131,171	\$93,242	\$57,763	\$29,237		\$254,776	\$176,845	\$106,706	\$55,451	
0.300	\$84,046	\$60,294	\$39,785	\$23,295		\$142,233	\$104,304	\$68,825	\$40,299		\$275,758	\$197,826	\$127,688	\$76,433	
0.000	\$86,787	\$63,035	\$42,526	\$26,036	\$2,741	\$146,974	\$109,046	\$73,566	\$45,041	\$4,741	\$284,750	\$206,818	\$136,680	\$85,425	\$8,992

Replacement Engine Emissions Standard or FEL (g/bhp-hr)	Engine Being Replaced - Horsepower Range and Emissions Model Year				
	600 - 749				
	pre-1995	1996 - 2001	2002 - 2005	2006 - 2010	2011 - 2016
7.200	\$112,443				
6.900	\$125,936				
6.745	\$132,908				
5.320	\$197,000				
4.655	\$226,910	\$100,974			
4.560	\$231,183	\$105,247			
3.325	\$286,730	\$160,794	\$55,547		
2.850	\$308,094	\$182,158	\$76,911		
2.500	\$323,836	\$197,900	\$92,653		
2.000	\$346,324	\$220,388	\$115,142	\$38,231	
1.500	\$368,813	\$242,877	\$137,630	\$60,719	
1.000	\$391,302	\$265,366	\$160,119	\$83,208	
0.300	\$422,786	\$296,850	\$191,603	\$114,692	
0.000	\$436,279	\$310,343	\$205,096	\$128,185	\$13,493