

Cat® Emissions and Performance Repowers

A repower can help you meet more stringent emission standards and may provide operational benefits. It replaces an in-use engine system with a new or remanufactured engine system. Machines equipped with lesser-regulated engines, such as unregulated or U.S. EPA Tier 1 engines can be repowered to meet emission standards.

Possible benefits:

- Cost-effective technology from newer models upgrades your trusted, proven machine.
- You can work at sites with higher local, state, and federal emission standards.
- Machine operation remains the same.
- Fleet commonality simplifies parts stocking and training.
- You get significant reductions in engine emissions.
- May include a new cooling system, hydraulics system, exhaust system, and electronics
- **Potential fuel and oil savings (Highlighted in Green)**
- Extended equipment life
- Funding may be available from local, state, or federal sources

These solutions are available for the machines with the prefixes and engine arrangements identified in the tables below for each of the product groups. Additional repower options may also exist; please contact your local Cat® dealer for more information.

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Compactors				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
815B	17Z	Unregulated	C7	3
824C	85X	Unregulated	3406	1
824C	85X	Unregulated	C15	3
825C	86X	Unregulated	3406	1
825C	86X	Unregulated	C15	3
826C	87X	Unregulated	3406	1
826C	87X	Unregulated	C15	3



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Excavators				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
235B	7WC, 1FD	Unregulated	3306B	1
235C	5AF, 3WG	Unregulated	3306B	1
235D	8KJ	Unregulated	3306B	1



Motor Graders				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
140G	13W, 72V, 5MD, 50H	Unregulated	3306B	1
140G	13W, 72V, 5MD, 50H	Unregulated	C7	3



Off-Highway Trucks – Standard Repower				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
769C	01X	Unregulated	3408E	1
769C	01X	Unregulated	3408E	2
771C	3BJ	Unregulated	3408E	1
771C	3BJ	Unregulated	3408E	2
772B	64W	Unregulated	3412E	1
772B	64W	Unregulated	3412E	2
773B	63W	Unregulated	3412E	1
773B	63W	Unregulated	3412E	2
775B	7XJ	Unregulated	3412E	1
775B	7XJ	Unregulated	3412E	2
777	84A	Unregulated	3508B	1
777B	4YC	Unregulated	3508B	1
777C	4XJ	Unregulated	3508B	1
777C	4XJ	Unregulated	C32	2
777D	3PR, AGC	1	C32	2
797	5YW	Unregulated	C175	UR*
797	5YW	Unregulated	C175	2
797B	JSM	Unregulated	C175	UR*
797B	JSM	Unregulated	C175	2



*Outside of North America only

Solutions highlighted in green offer potential fuel and oil savings

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Off-Highway Trucks – Cat Certified Rebuild Upgrade*				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
785	8GB223+	Unregulated	3512B	1
785B	6HK	Unregulated	3512B	1
789	9ZC	Unregulated	3516B	1
789B	7EK	Unregulated	3516B	1



*The Cat Certified Rebuild Upgrade program is currently available in the United States, Australia, Indonesia, South Africa, Chile, Mexico, Colombia, and Russia

Solutions highlighted in green offer potential fuel and oil savings

Track-Type Tractors				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
D8L	53Y	Unregulated	3408E	1
D8L	53Y, 7YB	Unregulated	3408E	2
D8N	1XJ, 9TC, 5TJ, 7TK	Unregulated	3406	1
D8N	1XJ, 9TC, 5TJ, 7TK	Unregulated	C13	3
D8R	7XM	1	C15	3
D9L	14Y	Unregulated	3412E	1
D9N	1JD	Unregulated	3408E	1
D9N	1JD, 6XJ	Unregulated	3408E	2
D10N	2YD, 3SK	Unregulated	3412	1
D10N	2YD, 3SK	Unregulated	3412E	2
D10N	2YD, 3SK	Unregulated	C27	3
D10R	3KR	1	C27	3
D11R	AAF, 9TR, 7PZ, 9XR	UR / 1	C32	2



Solutions highlighted in green offer potential fuel and oil savings

Wheel Dozers				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
844	2KZ	1	3412E	2



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Wheel Loaders				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
950B	31R, 22Z1-3188, 63R1-6053, 65R1-3087	Unregulated	3304B	1
950E	22Z3189-Up 63R6054-Up, 65R3088-Up	Unregulated	3304B	1
950F	7ZF, 6YG	Unregulated	3116	1
950FII	4DJ, 5SK, 8TK, 2LM	Unregulated	3116	1
966D	99Y	Unregulated	C7	3
966E	99Y	Unregulated	C7	3
966F	4YG	Unregulated	C7	3
966F	4YG	UR / 1	C7.1	4i
966FII	1SL	Unregulated	C7	3
966FII	1SL	UR / 1	C7.1	4i
980C	63X	Unregulated	C13	3
980F	8CJ	Unregulated	C13	3
980G	2KR, 9CM, 2SR	1	C15	3
988F	8YG	Unregulated	3408E	2
988FII	2ZR	Unregulated	3408E	2
990	7HK	Unregulated	3412E	1
990	7HK	UR / 1	3412E	2
990II	4FR	UR / 1	3412E	2
992C	42X, 49Z	Unregulated	3412E	1
992D	7MJ	Unregulated	3412E	1



Wheel Tractor-Scrapers				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
615C	5TF	Unregulated	3306B	1
615CII	9XG	Unregulated	3306B	1
621B	45P	Unregulated	3406B	1
621B	45P, 2GB	Unregulated	C15	3
621E	6AB	Unregulated	C15	3
621F	4SK	Unregulated	C15	3
623B	46P	Unregulated	3406B	1
623B	46P	Unregulated	C15	3
623E	6CB, 6YF	Unregulated	C15	3
623F	5EW, 6BK	Unregulated	C15	3
627B S	37V, 38V	Unregulated	3306B	1
627E T	7CG	Unregulated	C15	3
627F T	1DL	Unregulated	C15	3
631D	24W	Unregulated	3408E	1

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Wheel Tractor-Scrapers (cont.)				
Machine Specification			Repower Engine	
Model	S/N Prefix	U.S. EPA Tier Level	Model	U.S. EPA Tier Level
631D	24W	Unregulated	C15	3
631E	1AB, 1NB, 3ND	Unregulated	3408E	1
631EII	1AB, 1NB, 3ND	Unregulated	3408E	1
631E	1NB1-871, 3ND1-522, 1AB1-1445	Unregulated	C18	3
633D	25W	Unregulated	3408E	1
633D	25W	Unregulated	C15	3
637D T	26W, 27W, 71W	Unregulated	3408E	1
637D T	26W, 27W, 71W	Unregulated	C15	3
637D S	20W, 21W, 22W, 23W, 4JB, 70W	Unregulated	C9	3
637E T	1FB, 1JB	Unregulated	3408E	1
637E S	1HB, 7CB, 1LB	Unregulated	3306	1
637E T	1FB1-531, 1JB	Unregulated	C18	3
637E S	1HB00387-1HB00479	Unregulated	C9	3
639D T	99X	Unregulated	3408E	1
651E	4YR, 89Z	Unregulated	3412E	1
651E	89Z	Unregulated	C18	3
657E T	90Z, 91Z	Unregulated	3412E	1
657E S	6MB, 86Z, 87Z	Unregulated	3408E	1
657E T	90Z, 91Z	Unregulated	C18	3
657E S	6MB, 86Z, 87Z	Unregulated	C15	3

T = Tractor S = Scraper

CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

When and where you need them.

The Cat dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.



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