



Caterpillar Performance Handbook

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Wheeler





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FUEL CONSUMPTION

Articulated trucks

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 725	3.56 gal/hr	4.56 gal/hr	5.56 gal/hr	2.5%	0.09 gal/hr	0.11 gal/hr	0.14 gal/hr
Cat 730	3.38 gal/hr	4.38 gal/hr	5.39 gal/hr	2.5%	0.08 gal/hr	0.11 gal/hr	0.13 gal/hr
Cat 735	5.27 gal/hr	6.98 gal/hr	8.68 gal/hr	2.5%	0.13 gal/hr	0.17 gal/hr	0.22 gal/hr
Cat 740	6.14 gal/hr	7.84 gal/hr	9.54 gal/hr				
Cat 740 EJ		5.71 gal/hr		2.5%		0.14 gal/hr	
Cat 740 GC	5.01 gal/hr	6.47 gal/hr	7.93 gal/hr	2.5%	0.13 gal/hr	0.16 gal/hr	0.2 gal/hr
Cat 745		7.03 gal/hr		2.5%		0.18 gal/hr	



FUEL CONSUMPTION

Asphalt pavers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat AP1000		3.43 gal/hr		3%		0.1 gal/hr	
Cat AP1055		3.65 gal/hr		3%		0.11 gal/hr	
Cat AP355		1.19 gal/hr		3%		0.04 gal/hr	
Cat AP400		1.95 gal/hr		3%		0.06 gal/hr	
Cat AP455		2.03 gal/hr		3%		0.06 gal/hr	
Cat AP500		2.51 gal/hr		3%		0.08 gal/hr	
Cat AP555		2.62 gal/hr		3%		0.08 gal/hr	
Cat AP600		2.91 gal/hr		3%		0.09 gal/hr	
Cat AP655		3.04 gal/hr		3%		0.09 gal/hr	



FUEL CONSUMPTION

Backhoe loaders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 415-07	1.01 gal/hr	1.26 gal/hr	1.51 gal/hr				
Cat 415-07 IL	1.01 gal/hr	1.26 gal/hr	1.51 gal/hr				
Cat 416-07	1.19 gal/hr	1.49 gal/hr	1.8 gal/hr				
Cat 420-07	1.16 gal/hr	1.46 gal/hr	1.77 gal/hr				
Cat 420-07 MIL	1.16 gal/hr	1.46 gal/hr	1.77 gal/hr				
Cat 420-07 XE	1.11 gal/hr	1.4 gal/hr	1.68 gal/hr				
Cat 428-07	1.14 gal/hr	1.44 gal/hr	1.74 gal/hr				
Cat 430-07	1.18 gal/hr	1.5 gal/hr	1.81 gal/hr				
Cat 432-07	1.04 gal/hr	1.29 gal/hr	1.54 gal/hr				
Cat 432-07 MIL	1.04 gal/hr	1.29 gal/hr	1.54 gal/hr				
Cat 434-07	0.89 gal/hr	1.07 gal/hr	1.25 gal/hr				
Cat 440-07	1.44 gal/hr	1.79 gal/hr	2.15 gal/hr				
Cat 444-07	1.1 gal/hr	1.39 gal/hr	1.68 gal/hr				
Cat 444-07 MIL	1.1 gal/hr	1.39 gal/hr	1.68 gal/hr				
Cat 450-07	1.47 gal/hr	1.83 gal/hr	2.2 gal/hr				



FUEL CONSUMPTION

Cold planers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat PM300		4.2 gal/hr		3%		0.13 gal/hr	
Cat PM600		7.21 gal/hr		3%		0.22 gal/hr	
Cat PM800		9.19 gal/hr					



FUEL CONSUMPTION

Compact track loaders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 239D3		2.46 gal/hr					
Cat 249D3		2.46 gal/hr					
Cat 259D3		2.62 gal/hr					
Cat 279D3		2.62 gal/hr					
Cat 289D3		2.62 gal/hr					
Cat 299D3		3.3 gal/hr		1.5%		0.05 gal/hr	



FUEL CONSUMPTION

Dozers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat D10T2	11.46 gal/hr	15.09 gal/hr	18.73 gal/hr				
Cat D11-07	15.45 gal/hr	20.52 gal/hr	25.59 gal/hr				
Cat D1-12	1.34 gal/hr	1.71 gal/hr	2.07 gal/hr	5%	0.07 gal/hr	0.09 gal/hr	0.1 gal/hr
Cat D2-12	1.38 gal/hr	1.76 gal/hr	2.14 gal/hr	5%	0.07 gal/hr	0.09 gal/hr	0.11 gal/hr
Cat D3-12	1.51 gal/hr	1.93 gal/hr	2.36 gal/hr	5%	0.08 gal/hr	0.1 gal/hr	0.12 gal/hr
Cat D4-16	2.19 gal/hr	2.85 gal/hr	3.5 gal/hr	5%	0.11 gal/hr	0.14 gal/hr	0.18 gal/hr
Cat D5-17	3.18 gal/hr	4.12 gal/hr	5.06 gal/hr	5%	0.16 gal/hr	0.21 gal/hr	0.25 gal/hr
Cat D6-20	3.74 gal/hr	4.82 gal/hr	5.9 gal/hr	5%	0.19 gal/hr	0.24 gal/hr	0.29 gal/hr
Cat D6-20 XE	3.59 gal/hr	4.6 gal/hr	5.61 gal/hr	5%	0.18 gal/hr	0.23 gal/hr	0.28 gal/hr
Cat D7-17	4.4 gal/hr	5.71 gal/hr	7.02 gal/hr	5%	0.22 gal/hr	0.29 gal/hr	0.35 gal/hr
Cat D7E	4.14 gal/hr	5.44 gal/hr	6.74 gal/hr	5%	0.21 gal/hr	0.27 gal/hr	0.34 gal/hr
Cat D8-21	6.54 gal/hr	8.59 gal/hr	10.64 gal/hr	5%	0.33 gal/hr	0.43 gal/hr	0.53 gal/hr
Cat D8T	6.54 gal/hr	8.59 gal/hr	10.64 gal/hr	5%	0.33 gal/hr	0.43 gal/hr	0.53 gal/hr
Cat D9-07	7.93 gal/hr	10.38 gal/hr	12.82 gal/hr	3%	0.24 gal/hr	0.31 gal/hr	0.38 gal/hr



FUEL CONSUMPTION

Excavators

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 300.9D	0.53 gal/hr	0.7 gal/hr	0.87 gal/hr				
Cat 301.5-05	0.58 gal/hr	0.77 gal/hr	0.96 gal/hr				
Cat 301.7-05 CR	0.58 gal/hr	0.77 gal/hr	0.96 gal/hr				
Cat 301.8-05	0.58 gal/hr	0.77 gal/hr	0.96 gal/hr				
Cat 302.7-07 CR	0.71 gal/hr	0.96 gal/hr	1.2 gal/hr				
Cat 302-05 CR	0.63 gal/hr	0.84 gal/hr	1.04 gal/hr				
Cat 303.5-07 CR	0.85 gal/hr	1.14 gal/hr	1.44 gal/hr				
Cat 303-07 CR	0.78 gal/hr	1.05 gal/hr	1.32 gal/hr				
Cat 304-07 CR	0.92 gal/hr	1.25 gal/hr	1.58 gal/hr				
Cat 305-07 CR	1.15 gal/hr	1.55 gal/hr	1.94 gal/hr				
Cat 306-07 CR	0.74 gal/hr	1.03 gal/hr	1.33 gal/hr				
Cat 307.5-07	0.75 gal/hr	1.04 gal/hr	1.34 gal/hr				
Cat 308-07 CR	0.68 gal/hr	0.95 gal/hr	1.22 gal/hr				
Cat 308E2 CR	0.74 gal/hr	1.04 gal/hr	1.33 gal/hr				
Cat 309-07 CR	0.93 gal/hr	1.3 gal/hr	1.67 gal/hr				
Cat 310-07	0.87 gal/hr	1.21 gal/hr	1.56 gal/hr				
Cat 311FL RR		1.95 gal/hr		2.5%		0.05 gal/hr	
Cat 313-07	1.64 gal/hr	2.11 gal/hr	2.57 gal/hr	2.5%	0.04 gal/hr	0.05 gal/hr	0.06 gal/hr
Cat 313-07 GC	1.49 gal/hr	1.9 gal/hr	2.31 gal/hr				
Cat 315-07	1.72 gal/hr	2.21 gal/hr	2.7 gal/hr	2.5%	0.04 gal/hr	0.06 gal/hr	0.07 gal/hr
Cat 315-07 GC	1.59 gal/hr	2.03 gal/hr	2.47 gal/hr	2.5%	0.04 gal/hr	0.05 gal/hr	0.06 gal/hr
Cat 317-07	1.96 gal/hr	2.52 gal/hr	3.09 gal/hr	2.5%	0.05 gal/hr	0.06 gal/hr	0.08 gal/hr
Cat 317-07 GC	1.88 gal/hr	2.42 gal/hr	2.97 gal/hr	2.5%	0.05 gal/hr	0.06 gal/hr	0.07 gal/hr
Cat 320-07	2.42 gal/hr	3.07 gal/hr	3.72 gal/hr	2.5%	0.06 gal/hr	0.08 gal/hr	0.09 gal/hr
Cat 320-07 GC	2.18 gal/hr	2.78 gal/hr	3.37 gal/hr	2.5%	0.05 gal/hr	0.07 gal/hr	0.08 gal/hr
Cat 323-07	2.71 gal/hr	3.45 gal/hr	4.18 gal/hr	2.5%	0.07 gal/hr	0.09 gal/hr	0.1 gal/hr
Cat 325-07	2.25 gal/hr	2.89 gal/hr	3.53 gal/hr	2.5%	0.06 gal/hr	0.07 gal/hr	0.09 gal/hr
Cat 326-07	3.29 gal/hr	4.17 gal/hr	5.06 gal/hr	2.5%	0.08 gal/hr	0.1 gal/hr	0.13 gal/hr
Cat 329FL	3.61 gal/hr	4.72 gal/hr	5.84 gal/hr	2.5%	0.09 gal/hr	0.12 gal/hr	0.15 gal/hr
Cat 330-07	3.69 gal/hr	4.73 gal/hr	5.77 gal/hr	2.5%	0.09 gal/hr	0.12 gal/hr	0.14 gal/hr
Cat 330-07 GC	3.51 gal/hr	4.5 gal/hr	5.49 gal/hr	2.5%	0.09 gal/hr	0.11 gal/hr	0.14 gal/hr
Cat 335-07	3.88 gal/hr	4.95 gal/hr	6.03 gal/hr	2.5%	0.1 gal/hr	0.12 gal/hr	0.15 gal/hr
Cat 336-07	3.9 gal/hr	5.05 gal/hr	6.19 gal/hr	2.5%	0.1 gal/hr	0.13 gal/hr	0.15 gal/hr
Cat 336-07 GC	4.15 gal/hr	5.36 gal/hr	6.58 gal/hr	2.5%	0.1 gal/hr	0.13 gal/hr	0.16 gal/hr
Cat 336-08	4.86 gal/hr	6.3 gal/hr	7.75 gal/hr	2.5%	0.12 gal/hr	0.16 gal/hr	0.19 gal/hr



Cat 340-08	5.32 gal/hr	6.96 gal/hr	8.61 gal/hr	2.5%	0.13 gal/hr	0.17 gal/hr	0.22 gal/hr
Cat 349-07	6.43 gal/hr	8.32 gal/hr	10.2 gal/hr	2.5%	0.16 gal/hr	0.21 gal/hr	0.26 gal/hr
Cat 350-06	5.3 gal/hr	6.96 gal/hr	8.63 gal/hr	5%	0.26 gal/hr	0.35 gal/hr	0.43 gal/hr
Cat 352-07	6.19 gal/hr	8.02 gal/hr	9.85 gal/hr	2.5%	0.15 gal/hr	0.2 gal/hr	0.25 gal/hr
Cat 352-08 FG	5.81 gal/hr	7.44 gal/hr	9.07 gal/hr	5%	0.29 gal/hr	0.37 gal/hr	0.45 gal/hr
Cat 352-08 VG	6.16 gal/hr	7.99 gal/hr	9.83 gal/hr	5%	0.31 gal/hr	0.4 gal/hr	0.49 gal/hr
Cat 374-07	7.74 gal/hr	9.95 gal/hr	12.17 gal/hr	2.5%	0.19 gal/hr	0.25 gal/hr	0.3 gal/hr
Cat 395-07	9.6 gal/hr	12.45 gal/hr	15.3 gal/hr	2.5%	0.24 gal/hr	0.31 gal/hr	0.38 gal/hr
Cat 538GF	3.38 gal/hr	4.39 gal/hr	5.39 gal/hr	3%	0.1 gal/hr	0.13 gal/hr	0.16 gal/hr
Cat 548GF	4.05 gal/hr	5.3 gal/hr	6.55 gal/hr	3%	0.12 gal/hr	0.16 gal/hr	0.2 gal/hr
Cat 558GF	4.42 gal/hr	5.8 gal/hr	7.18 gal/hr	3%	0.13 gal/hr	0.17 gal/hr	0.22 gal/hr
Cat 568GF	6.29 gal/hr	8.22 gal/hr	10.15 gal/hr	3%	0.19 gal/hr	0.25 gal/hr	0.3 gal/hr



FUEL CONSUMPTION

Hydraulic mining shovels

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 6015	18.53 gal/hr	23.65 gal/hr	28.77 gal/hr				
Cat 6020B	16.8 gal/hr	22.07 gal/hr	27.35 gal/hr				
Cat 6030		42.51 gal/hr					
Cat 6040		53.52 gal/hr					
Cat 6060		66.94 gal/hr					



FUEL CONSUMPTION

Landfill compactors

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 816-11	5.13 gal/hr	6.74 gal/hr	8.34 gal/hr	3%	0.15 gal/hr	0.2 gal/hr	0.25 gal/hr
Cat 816K	4.74 gal/hr	6.24 gal/hr	7.75 gal/hr	3%	0.14 gal/hr	0.19 gal/hr	0.23 gal/hr
Cat 826K	8.31 gal/hr	10.73 gal/hr	13.14 gal/hr	3%	0.25 gal/hr	0.32 gal/hr	0.39 gal/hr
Cat 836K	11.16 gal/hr	14.72 gal/hr	18.28 gal/hr	3%	0.33 gal/hr	0.44 gal/hr	0.55 gal/hr



FUEL CONSUMPTION

Material handlers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat MH3022-07	1.7 gal/hr	2.13 gal/hr	2.55 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.05 gal/hr
Cat MH3024-07	2.15 gal/hr	2.74 gal/hr	3.32 gal/hr	2%	0.04 gal/hr	0.05 gal/hr	0.07 gal/hr
Cat MH3026-07	2.75 gal/hr	3.47 gal/hr	4.2 gal/hr	2%	0.06 gal/hr	0.07 gal/hr	0.08 gal/hr
Cat MH3040-07	3.33 gal/hr	4.2 gal/hr	5.06 gal/hr	2%	0.07 gal/hr	0.08 gal/hr	0.1 gal/hr
Cat MH3250-07	3.31 gal/hr	4.16 gal/hr	5.01 gal/hr	2%	0.07 gal/hr	0.08 gal/hr	0.1 gal/hr
Cat MH3260-07	4.61 gal/hr	5.68 gal/hr	6.75 gal/hr	2%	0.09 gal/hr	0.11 gal/hr	0.14 gal/hr



FUEL CONSUMPTION

Motor graders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 120-14 AWD JOY	2.52 gal/hr	3.09 gal/hr	3.65 gal/hr	2.5%	0.06 gal/hr	0.08 gal/hr	0.09 gal/hr
Cat 120-14 JOY	2.35 gal/hr	2.9 gal/hr	3.45 gal/hr	2.5%	0.06 gal/hr	0.07 gal/hr	0.09 gal/hr
Cat 120-14 LVR	2.35 gal/hr	2.9 gal/hr	3.45 gal/hr	2.5%	0.06 gal/hr	0.07 gal/hr	0.09 gal/hr
Cat 140-01 GC	2.67 gal/hr	3.37 gal/hr	4.06 gal/hr	2.5%	0.07 gal/hr	0.08 gal/hr	0.1 gal/hr
Cat 140-01 GC	2.67 gal/hr	3.37 gal/hr	4.06 gal/hr	2.5%	0.07 gal/hr	0.08 gal/hr	0.1 gal/hr
Cat 140-13	2.64 gal/hr	3.29 gal/hr	3.93 gal/hr	2.5%	0.07 gal/hr	0.08 gal/hr	0.1 gal/hr
Cat 140-13 AWD	3.21 gal/hr	4.01 gal/hr	4.81 gal/hr	2.5%	0.08 gal/hr	0.1 gal/hr	0.12 gal/hr
Cat 140-15	2.83 gal/hr	3.53 gal/hr	4.24 gal/hr	2.5%	0.07 gal/hr	0.09 gal/hr	0.11 gal/hr
Cat 140-15 AWD	3.18 gal/hr	3.98 gal/hr	4.78 gal/hr	2.5%	0.08 gal/hr	0.1 gal/hr	0.12 gal/hr
Cat 14-15	3.7 gal/hr	4.66 gal/hr	5.62 gal/hr	2.5%	0.09 gal/hr	0.12 gal/hr	0.14 gal/hr
Cat 150-15	2.87 gal/hr	3.58 gal/hr	4.29 gal/hr	2.5%	0.07 gal/hr	0.09 gal/hr	0.11 gal/hr
Cat 150-15 AWD	3.37 gal/hr	4.22 gal/hr	5.07 gal/hr	2.5%	0.08 gal/hr	0.11 gal/hr	0.13 gal/hr
Cat 160-15	3.51 gal/hr	4.45 gal/hr	5.39 gal/hr	2.5%	0.09 gal/hr	0.11 gal/hr	0.13 gal/hr
Cat 160-15 AWD	3.72 gal/hr	4.71 gal/hr	5.69 gal/hr	2.5%	0.09 gal/hr	0.12 gal/hr	0.14 gal/hr
Cat 16-15	4.35 gal/hr	5.53 gal/hr	6.72 gal/hr	2.5%	0.11 gal/hr	0.14 gal/hr	0.17 gal/hr
Cat 18-15	5.19 gal/hr	6.59 gal/hr	7.99 gal/hr	2.5%	0.13 gal/hr	0.16 gal/hr	0.2 gal/hr
Cat 24-14	9.42 gal/hr	12.18 gal/hr	14.94 gal/hr	2.5%	0.24 gal/hr	0.3 gal/hr	0.37 gal/hr



FUEL CONSUMPTION

Off highway trucks

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 770G	5.22 gal/hr	6.7 gal/hr	8.18 gal/hr	3%	0.16 gal/hr	0.2 gal/hr	0.25 gal/hr
Cat 772G	5.88 gal/hr	7.6 gal/hr	9.33 gal/hr	3%	0.18 gal/hr	0.23 gal/hr	0.28 gal/hr
Cat 773G	7.66 gal/hr	9.92 gal/hr	12.17 gal/hr				
Cat 775G	8.26 gal/hr	10.73 gal/hr	13.21 gal/hr				
Cat 777-07		13.13 gal/hr					
Cat 777G	12 gal/hr	15.63 gal/hr	19.27 gal/hr				
Cat 785-08	17.65 gal/hr	23.3 gal/hr	28.95 gal/hr	3%	0.53 gal/hr	0.7 gal/hr	0.87 gal/hr
Cat 789-07	26.74 gal/hr	35.72 gal/hr	44.71 gal/hr	3%	0.8 gal/hr	1.07 gal/hr	1.34 gal/hr
Cat 793F	32.08 gal/hr	41.94 gal/hr	51.8 gal/hr	5%	1.6 gal/hr	2.1 gal/hr	2.59 gal/hr
Cat 794 AC	44.76 gal/hr	60.1 gal/hr	75.44 gal/hr	5%	2.24 gal/hr	3.01 gal/hr	3.77 gal/hr
Cat 796-01 AC	38.15 gal/hr	51 gal/hr	63.85 gal/hr	5%	1.91 gal/hr	2.55 gal/hr	3.19 gal/hr
Cat 797F	42.92 gal/hr	56.73 gal/hr	70.54 gal/hr	5%	2.15 gal/hr	2.84 gal/hr	3.53 gal/hr
Cat 798-01 AC	42.99 gal/hr	57.77 gal/hr	72.55 gal/hr	5%	2.15 gal/hr	2.89 gal/hr	3.63 gal/hr



FUEL CONSUMPTION

Pipelayers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat PL61	1.24 gal/hr	1.48 gal/hr	1.71 gal/hr	5%	0.06 gal/hr	0.07 gal/hr	0.09 gal/hr
Cat PL72	2.65 gal/hr	3.18 gal/hr	3.71 gal/hr	5%	0.13 gal/hr	0.16 gal/hr	0.19 gal/hr
Cat PL83	3.34 gal/hr	4.12 gal/hr	4.9 gal/hr	5%	0.17 gal/hr	0.21 gal/hr	0.24 gal/hr
Cat PL87	3.65 gal/hr	4.39 gal/hr	5.12 gal/hr	5%	0.18 gal/hr	0.22 gal/hr	0.26 gal/hr



FUEL CONSUMPTION

Pneumatic rollers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat CW16		1.8 gal/hr		3%		0.05 gal/hr	
Cat CW34		1.45 gal/hr		3%		0.04 gal/hr	



FUEL CONSUMPTION

Reclaimer mixers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat RM400		8.03 gal/hr		3%		0.24 gal/hr	
Cat RM500		14.08 gal/hr		3%		0.42 gal/hr	



FUEL CONSUMPTION

Rotary drills

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat MD6200	10.34 gal/hr	13.04 gal/hr	15.73 gal/hr	2%	0.21 gal/hr	0.26 gal/hr	0.31 gal/hr
Cat MD6250	13.65 gal/hr	17.27 gal/hr	20.89 gal/hr	2%	0.27 gal/hr	0.35 gal/hr	0.42 gal/hr
Cat MD6310	18.16 gal/hr	22.78 gal/hr	27.39 gal/hr	2%	0.36 gal/hr	0.46 gal/hr	0.55 gal/hr
Cat MD6640				2%			



FUEL CONSUMPTION

Skid steer loaders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 226D3		2.46 gal/hr					
Cat 232D3		2.46 gal/hr					
Cat 236D3		2.62 gal/hr					
Cat 242D3		2.62 gal/hr					
Cat 246D3		2.62 gal/hr					
Cat 262D3		2.62 gal/hr					
Cat 272D3		3.3 gal/hr		1.5%		0.05 gal/hr	
Cat 272D3 XE		3.7 gal/hr		1.5%		0.06 gal/hr	



FUEL CONSUMPTION

Skidders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 525D	3.41 gal/hr	4.36 gal/hr	5.31 gal/hr	3%	0.1 gal/hr	0.13 gal/hr	0.16 gal/hr
Cat 535D	3.69 gal/hr	4.75 gal/hr	5.81 gal/hr	3%	0.11 gal/hr	0.14 gal/hr	0.17 gal/hr
Cat 545D	3.84 gal/hr	4.93 gal/hr	6.01 gal/hr	3%	0.12 gal/hr	0.15 gal/hr	0.18 gal/hr
Cat 555D	3.9 gal/hr	5.02 gal/hr	6.14 gal/hr	3%	0.12 gal/hr	0.15 gal/hr	0.18 gal/hr



FUEL CONSUMPTION

Soil compactors

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 815K	5.17 gal/hr	6.84 gal/hr	8.51 gal/hr	3%	0.16 gal/hr	0.21 gal/hr	0.26 gal/hr
Cat 825K	7.76 gal/hr	10.06 gal/hr	12.37 gal/hr	3%	0.23 gal/hr	0.3 gal/hr	0.37 gal/hr
Cat CP11 GC		2.72 gal/hr		3%		0.08 gal/hr	
Cat CP12 GC		2.88 gal/hr		3%		0.09 gal/hr	
Cat CP34B		1.66 gal/hr					
Cat CP44B		2.1 gal/hr		3%		0.06 gal/hr	
Cat CP54B		2.93 gal/hr		3%		0.09 gal/hr	
Cat CP56B		3.43 gal/hr		3%		0.1 gal/hr	
Cat CP68B		3.17 gal/hr		3%		0.1 gal/hr	
Cat CP74B		3.91 gal/hr		3%		0.12 gal/hr	
Cat CS10 GC		2.37 gal/hr		3%		0.07 gal/hr	
Cat CS11 GC		2.51 gal/hr		3%		0.08 gal/hr	
Cat CS12 GC		2.48 gal/hr		3%		0.07 gal/hr	
Cat CS34B		1.59 gal/hr		3%		0.05 gal/hr	
Cat CS44B		2.25 gal/hr		3%		0.07 gal/hr	
Cat CS54B		2.56 gal/hr		3%		0.08 gal/hr	
Cat CS56B		2.91 gal/hr		3%		0.09 gal/hr	
Cat CS74B		3.09 gal/hr		3%		0.09 gal/hr	
Cat CS78B		3.65 gal/hr		3%		0.11 gal/hr	



FUEL CONSUMPTION

Tandem vibratory rollers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat CB1.7		0.48 gal/hr					
Cat CB1.8		0.48 gal/hr					
Cat CB10		1.82 gal/hr		3%		0.05 gal/hr	
Cat CB13		2.19 gal/hr		3%		0.07 gal/hr	
Cat CB15		2.38 gal/hr		3%		0.07 gal/hr	
Cat CB16		2.51 gal/hr		3%		0.08 gal/hr	
Cat CB2.5		0.61 gal/hr					
Cat CB2.5 GC		0.48 gal/hr					
Cat CB2.7		0.61 gal/hr					
Cat CB2.7 GC		0.48 gal/hr					
Cat CB2.9		0.58 gal/hr		3%		0.02 gal/hr	
Cat CB34		0.69 gal/hr		3%		0.02 gal/hr	
Cat CB36		0.69 gal/hr		3%		0.02 gal/hr	
Cat CB4.0		1.16 gal/hr					
Cat CB4.4		1.24 gal/hr					
Cat CB7		1.53 gal/hr		3%		0.05 gal/hr	
Cat CB8		2.25 gal/hr		3%		0.07 gal/hr	
Cat CC2.7		0.48 gal/hr					
Cat CC2.7 GC		0.48 gal/hr					
Cat CC34		0.69 gal/hr					
Cat CC4.0		0.71 gal/hr					
Cat CD10		1.88 gal/hr		3%		0.06 gal/hr	
Cat CD8		1.88 gal/hr		3%		0.06 gal/hr	



FUEL CONSUMPTION

Telehandlers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat TH255C	0.49 gal/hr	0.68 gal/hr	0.88 gal/hr				
Cat TH3510D	75.67 gal/hr	105.66 gal/hr	135.65 gal/hr	2%	1.51 gal/hr	2.11 gal/hr	2.71 gal/hr
Cat TH357D	1.61 gal/hr	1.96 gal/hr	2.31 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.05 gal/hr
Cat TH408D	1.75 gal/hr	2.11 gal/hr	2.46 gal/hr	2%	0.04 gal/hr	0.04 gal/hr	0.05 gal/hr
Cat TH514D	60.59 gal/hr	84.68 gal/hr	108.78 gal/hr	2%	1.21 gal/hr	1.69 gal/hr	2.18 gal/hr
Cat TL1055D	1.56 gal/hr	1.86 gal/hr	2.15 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.04 gal/hr
Cat TL1255D	1.58 gal/hr	1.89 gal/hr	2.2 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.04 gal/hr
Cat TL642D	3.64 gal/hr	4.93 gal/hr	6.23 gal/hr	2%	0.07 gal/hr	0.1 gal/hr	0.12 gal/hr
Cat TL943D	2.87 gal/hr	3.84 gal/hr	4.82 gal/hr	2%	0.06 gal/hr	0.08 gal/hr	0.1 gal/hr



FUEL CONSUMPTION

Track loaders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 953		3.27 gal/hr		2.5%		0.08 gal/hr	
Cat 963		3.7 gal/hr		2.5%		0.09 gal/hr	
Cat 963K	3.4 gal/hr	4.36 gal/hr	5.33 gal/hr	2.5%	0.08 gal/hr	0.11 gal/hr	0.13 gal/hr
Cat 973K	5.03 gal/hr	6.41 gal/hr	7.8 gal/hr	2.5%	0.13 gal/hr	0.16 gal/hr	0.19 gal/hr



FUEL CONSUMPTION

Underground loaders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat R1300G		5.81 gal/hr					
Cat R1600H		5.81 gal/hr					
Cat R1700		8.03 gal/hr		4%		0.32 gal/hr	
Cat R2900	12.08 gal/hr	13.07 gal/hr	14.06 gal/hr	4%	0.48 gal/hr	0.52 gal/hr	0.56 gal/hr
Cat R3000H		11.44 gal/hr					



FUEL CONSUMPTION

Underground trucks

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat AD22	4.59 gal/hr	5.66 gal/hr	6.72 gal/hr				
Cat AD30	7.89 gal/hr	6.55 gal/hr	5.2 gal/hr				
Cat AD45		13.47 gal/hr		4%		0.54 gal/hr	
Cat AD60	13.22 gal/hr	17.06 gal/hr	20.91 gal/hr				
Cat AD63		14.08 gal/hr					



FUEL CONSUMPTION

Wheel dozers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 814		3.2 gal/hr		2.5%		0.08 gal/hr	
Cat 824K	6.21 gal/hr	7.9 gal/hr	9.59 gal/hr	2.5%	0.16 gal/hr	0.2 gal/hr	0.24 gal/hr
Cat 834K	7.71 gal/hr	10.17 gal/hr	12.62 gal/hr	2.5%	0.19 gal/hr	0.25 gal/hr	0.32 gal/hr
Cat 844K	11.19 gal/hr	14.25 gal/hr	17.31 gal/hr	2.5%	0.28 gal/hr	0.36 gal/hr	0.43 gal/hr
Cat 854K	13.82 gal/hr	18.09 gal/hr	22.36 gal/hr	2.5%	0.35 gal/hr	0.45 gal/hr	0.56 gal/hr



FUEL CONSUMPTION

Wheel excavators

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat M314		1.48 gal/hr		2%		0.03 gal/hr	
Cat M314F	1.39 gal/hr	1.73 gal/hr	2.06 gal/hr	2%	0.03 gal/hr	0.03 gal/hr	0.04 gal/hr
Cat M315F	1.43 gal/hr	1.73 gal/hr	2.03 gal/hr	2%	0.03 gal/hr	0.03 gal/hr	0.04 gal/hr
Cat M316F	1.35 gal/hr	1.67 gal/hr	1.99 gal/hr	2%	0.03 gal/hr	0.03 gal/hr	0.04 gal/hr
Cat M317F	1.45 gal/hr	1.78 gal/hr	2.12 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.04 gal/hr
Cat M318		2.11 gal/hr		2%		0.04 gal/hr	
Cat M318F	1.69 gal/hr	2.13 gal/hr	2.57 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.05 gal/hr
Cat M320F	1.63 gal/hr	2.04 gal/hr	2.46 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.05 gal/hr
Cat M322F	1.71 gal/hr	2.16 gal/hr	2.61 gal/hr	2%	0.03 gal/hr	0.04 gal/hr	0.05 gal/hr



FUEL CONSUMPTION

Wheel loaders

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 903C2	0.4 gal/hr	0.56 gal/hr	0.73 gal/hr				
Cat 903D	0.6 gal/hr	0.84 gal/hr	1.08 gal/hr				
Cat 906M	0.57 gal/hr	0.75 gal/hr	0.92 gal/hr				
Cat 907M	0.52 gal/hr	0.73 gal/hr	0.93 gal/hr				
Cat 908M	0.66 gal/hr	0.79 gal/hr	0.92 gal/hr				
Cat 910-14	0.96 gal/hr	1.16 gal/hr	1.36 gal/hr	1.5%	0.01 gal/hr	0.02 gal/hr	0.02 gal/hr
Cat 914-14	0.93 gal/hr	1.14 gal/hr	1.34 gal/hr	1.5%	0.01 gal/hr	0.02 gal/hr	0.02 gal/hr
Cat 920-14	1.05 gal/hr	1.31 gal/hr	1.56 gal/hr	1.5%	0.02 gal/hr	0.02 gal/hr	0.02 gal/hr
Cat 926M	1.72 gal/hr	2.11 gal/hr	2.51 gal/hr	1.5%	0.03 gal/hr	0.03 gal/hr	0.04 gal/hr
Cat 930M	1.83 gal/hr	2.25 gal/hr	2.68 gal/hr	1.5%	0.03 gal/hr	0.03 gal/hr	0.04 gal/hr
Cat 938M	1.9 gal/hr	2.36 gal/hr	2.82 gal/hr	1.5%	0.03 gal/hr	0.04 gal/hr	0.04 gal/hr
Cat 950-01 GC				2.5%			
Cat 950M	2.38 gal/hr	3.02 gal/hr	3.66 gal/hr	2.5%	0.06 gal/hr	0.08 gal/hr	0.09 gal/hr
Cat 950M Waste Handler		2.8 gal/hr		2.5%		0.07 gal/hr	
Cat 962M	2.41 gal/hr	3.06 gal/hr	3.7 gal/hr	2.5%	0.06 gal/hr	0.08 gal/hr	0.09 gal/hr
Cat 962M Waste Handler		2.8 gal/hr		2.5%		0.07 gal/hr	
Cat 966-14	3.01 gal/hr	3.79 gal/hr	4.56 gal/hr	5%	0.15 gal/hr	0.19 gal/hr	0.23 gal/hr
Cat 966-14 XE	2.55 gal/hr	3.12 gal/hr	3.68 gal/hr	5%	0.13 gal/hr	0.16 gal/hr	0.18 gal/hr
Cat 966M	3.08 gal/hr	3.88 gal/hr	4.69 gal/hr	2.5%	0.08 gal/hr	0.1 gal/hr	0.12 gal/hr
Cat 966M XE	2.61 gal/hr	3.19 gal/hr	3.78 gal/hr	2.5%	0.07 gal/hr	0.08 gal/hr	0.09 gal/hr
Cat 972-14	3.23 gal/hr	4.07 gal/hr	4.92 gal/hr	5%	0.16 gal/hr	0.2 gal/hr	0.25 gal/hr
Cat 972-14 XE	2.64 gal/hr	3.24 gal/hr	3.84 gal/hr	5%	0.13 gal/hr	0.16 gal/hr	0.19 gal/hr
Cat 972M	3.3 gal/hr	4.18 gal/hr	5.06 gal/hr	2.5%	0.08 gal/hr	0.1 gal/hr	0.13 gal/hr
Cat 972M XE	2.7 gal/hr	3.32 gal/hr	3.94 gal/hr	2.5%	0.07 gal/hr	0.08 gal/hr	0.1 gal/hr
Cat 980-14	3.92 gal/hr	4.99 gal/hr	6.05 gal/hr	2.5%	0.1 gal/hr	0.12 gal/hr	0.15 gal/hr
Cat 980-14 XE	3.37 gal/hr	4.21 gal/hr	5.05 gal/hr	2.5%	0.08 gal/hr	0.11 gal/hr	0.13 gal/hr
Cat 980M	4.07 gal/hr	5.19 gal/hr	6.32 gal/hr	2.5%	0.1 gal/hr	0.13 gal/hr	0.16 gal/hr
Cat 982-14	4.34 gal/hr	5.55 gal/hr	6.76 gal/hr	2.5%	0.11 gal/hr	0.14 gal/hr	0.17 gal/hr
Cat 982-14 XE	3.77 gal/hr	4.75 gal/hr	5.73 gal/hr	2.5%	0.09 gal/hr	0.12 gal/hr	0.14 gal/hr
Cat 982M	4.49 gal/hr	5.77 gal/hr	7.04 gal/hr	2.5%	0.11 gal/hr	0.14 gal/hr	0.18 gal/hr
Cat 986K	5.62 gal/hr	7.16 gal/hr	8.7 gal/hr	2.5%	0.14 gal/hr	0.18 gal/hr	0.22 gal/hr
Cat 988K	6.76 gal/hr	8.62 gal/hr	10.48 gal/hr	2.5%	0.17 gal/hr	0.22 gal/hr	0.26 gal/hr
Cat 988K XE	5.94 gal/hr	7.61 gal/hr	9.28 gal/hr	2.5%	0.15 gal/hr	0.19 gal/hr	0.23 gal/hr
Cat 990K	12.12 gal/hr	15.31 gal/hr	18.49 gal/hr	2.5%	0.3 gal/hr	0.38 gal/hr	0.46 gal/hr
Cat 992-12	13.11 gal/hr	17.14 gal/hr	21.16 gal/hr	2.5%	0.33 gal/hr	0.43 gal/hr	0.53 gal/hr



Cat 993K	20.6 gal/hr	25.93 gal/hr	31.25 gal/hr
Cat 994K	35.86 gal/hr	46.16 gal/hr	56.47 gal/hr



FUEL CONSUMPTION

Wheel tractor scrapers

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat 621K	5.14 gal/hr	6.56 gal/hr	7.97 gal/hr	3%	0.15 gal/hr	0.2 gal/hr	0.24 gal/hr
Cat 623K	5.93 gal/hr	7.59 gal/hr	9.25 gal/hr	3%	0.18 gal/hr	0.23 gal/hr	0.28 gal/hr
Cat 627K	10.52 gal/hr	9.77 gal/hr	9.03 gal/hr	3%	0.32 gal/hr	0.29 gal/hr	0.27 gal/hr
Cat 631K	6.99 gal/hr	9.06 gal/hr	11.13 gal/hr	3%	0.21 gal/hr	0.27 gal/hr	0.33 gal/hr
Cat 637K	12.6 gal/hr	12.2 gal/hr	11.79 gal/hr	3%	0.38 gal/hr	0.37 gal/hr	0.35 gal/hr
Cat 657-07	15.65 gal/hr	13.87 gal/hr	12.08 gal/hr	3%	0.47 gal/hr	0.42 gal/hr	0.36 gal/hr



FUEL CONSUMPTION

Work tools

Fuel and DEF consumption values are sourced from VisionLink telematics data by region and assume the following idle time percentages: 50% for low, 30% for medium, 10% for high

	Low fuel consumption	Medium fuel consumption	High fuel consumption	DEF consumption (% of fuel)	Low DEF consumption	Medium DEF consumption	High DEF consumption
Cat P224-PS		6.45 gal/hr					
Cat P225		6.45 gal/hr					
Cat P332-PP		6.86 gal/hr					
Cat P335		6.86 gal/hr					
Cat S3070		8.48 gal/hr					