

Diesel Engine Requirements											
REQUIREMENT	CATEGORY	SIZE/QUALIFIER	PHASE	PARAMETERS - g/bhph							
				NOx	HC	NMHC+NOx	CO	PM			
40CFR89	non-road	hp<11	Tier 1 - 2000			7.8	6	0.75			
CCR2423		"	Tier 2 - 2005			5.6	6	0.6			
adopted		11<hp<25	Tier 1 - 2000			7.1	4.9	0.6			
		"	Tier 2 - 2005			5.6	4.9	0.6			
		25<hp<50	Tier 1 - 1999			7.1	4.1	0.6			
		"	Tier 2 - 2004			5.6	4.1	0.45			
		50<hp<100	Tier 1 - 1998	6.9							
		"	Tier 2 - 2004			5.6	3.7	0.3			
		"	Tier 3 - 2008			3.5	3.7	0.3			
		100≤hp<175	Tier 1 - 1997	6.9							
		"	Tier 2 - 2003			4.9	3.7	0.22			
		"	Tier 3 - 2007			3	3.7	0.22			
		175<hp<300	Tier 1 - 1996	6.9	1		8.5	0.4			
		"	Tier 2 - 2003			4.9	2.6	0.15			
		"	Tier 3 - 2006			3	2.6	0.15			
		300<hp<600	Tier 1 - 1996	6.9	1		8.5	0.4			
		"	Tier 2 - 2001			4.8	2.6	0.15			
		"	Tier 3 - 2006			3	2.6	0.15			
		600<hp<750	Tier 1 - 1996	6.9	1		8.5	0.4			
		"	Tier 2 - 2002			4.8	2.6	0.15			
		"	Tier 3 - 2006			3	2.6	0.15			
		hp>750	Tier 1 - 2000	6.9	1		8.5	0.4			
		"	Tier 2 - 2006			4.8	2.6	0.15			
				2008	2009	2010	2011	2012	2013	2014	2015
40CFR1039.101&102	non-road	<11	PM	0.3							
adopted			NOx+HC	5.6							
13CCR2423.b.1.B			CO	6							
proposed		11-25	PM	0.3							
			NOx+HC	5.6							
			CO	4.9							
		25-50	PM	0.22					0.022		
			NOx+HC	5.6					3.5		
			CO	4.1							
		50-75	PM	0.22					0.022		
			NOx+HC	3.5							
			CO	3.7							
		75-175	PM					0.015			
			NOx						1st 50%		0.3
			HC						1st 50%		0.14
			CO					3.7			
		175-750	PM					0.015			
			NOx				1st 50%			0.3	
			HC				1st 50%			0.14	
			CO					2.6			
		>750	PM				0.07				0.03
		general	NOx				2.6				
			HC				0.3				0.14
			CO				2.6				
		750-1200	PM								0.022
		genset	NOx								0.5
			HC								0.14
			CO								2.6
		>1200	PM				0.07				0.022
		genset	NOx				0.5				
			HC				0.3				0.14
			CO				2.6				