

Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-14-012;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control systems produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2016	GJDXL06.8302	4.5, 6.8	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Charge Air Cooler, Oxidation Catalyst, Electronic Direct Injection, Electronic Control Module, Exhaust Gas Recirculation, Periodic Trap Oxidizer, Turbocharger, Selective Catalytic Reduction-Urea, Ammonia Oxidation Catalyst			Crane, Tractor, Loaders, Dozer, Pump, Compressor, Generator Set, Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			NMHC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW ≤ 560	Tier 4 Final	STD	0.19	0.40	N/A	3.5	0.02	N/A	N/A	N/A
		FEL	--	0.37	--	--	0.01	--	--	--
		CERT	0.03	0.16	--	0.03	0.003	--	--	--

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has complied with the more stringent set of standards from the various power categories in conformance with Section 1039.230 (e) of the "California Exhaust Emission Standards and Test Procedures for 2008 and Later Tier 4 Off-Road Compression Ignition Engines, Part 1-C" adopted October 25, 2012.

BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 15 day of December 2015.



Annette Hebert, Chief
Emissions Compliance, Automotive Regulations and Science Division

FO#: U-R-004-0515

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Engine Model Summary Form

Manufacturer: John Deere Power Systems
 Engine category: Nonroad CI
 EPA Engine Family: GJDXL06.8302
 Mfr Family Name: 350HCA
 Process Code: New Submission

1. Engine code	2. Engine Model	3. kW@RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke@peak kW (for diesel only)	5. Fuel Rate: (kg/hr)@peak kW (for diesels only)	6. Torque (Nm) @RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke@peak torque	8. Fuel Rate: (kW/hr)@peak torque	9. Emission Control Device Per SAE J1930
4045HDW5Z	4045	136@2200	135.8@2200	30.5@2200	730@1500	157.1@1500	24.0@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HE052	4045	116@2200	114.3@2200	25.6@2200	667@1500	140.8@1500	21.5@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC07A	4045	93@2400	88.1@2400	21.6@2400	494@1500	104.3@1500	15.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC07B	4045	104@2400	98.9@2400	24.2@2400	540@1500	116.8@1500	17.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09A	4045	129@2400	119.7@2400	29.3@2400	667@1500	139.8@1500	21.4@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09AA	4045	93@2200	94.9@2200	21.3@2200	537@1500	113.4@1500	17.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09AB	4045	93@2200	94.9@2200	21.3@2200	537@1500	113.4@1500	17.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09B	4045	129@2200	126.3@2200	28.3@2200	667@1500	139.8@1500	21.4@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09C	4045	116@2400	108.6@2400	26.6@2400	616@1500	128.5@1500	19.6@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09D	4045	116@2400	108.6@2400	26.6@2400	616@1500	128.5@1500	19.6@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09E	4045	116@2200	114.3@2200	25.6@2200	667@1500	140.8@1500	21.5@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09F	4045	116@2200	114.3@2200	25.6@2200	667@1500	140.8@1500	21.5@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09G	4045	104@2400	98.1@2400	24.3@2400	552@1500	114.9@1500	17.6@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09H	4045	104@2400	98.1@2400	24.3@2400	552@1500	114.9@1500	17.6@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09I	4045	104@2200	102.7@2200	23.0@2200	601@1500	124.8@1500	18.1@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09J	4045	104@2200	102.7@2200	23.0@2200	601@1500	124.8@1500	18.1@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09K	4045	93@2400	90.3@2400	22.1@2400	494@1500	103@1500	15.8@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09L	4045	93@2400	90.3@2400	22.1@2400	494@1500	103@1500	15.8@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09M	4045	93@2200	93.2@2200	20.9@2200	537@1500	111.6@1500	17.1@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09N	4045	93@2200	93.2@2200	20.9@2200	537@1500	111.6@1500	17.1@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09O	4045	129@2400	122.3@2400	29.9@2400	667@1500	142.2@1500	21.7@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09P	4045	129@2200	128.0@2200	28.7@2200	667@1500	142.9@1500	21.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09Q	4045	116@2400	110.3@2400	27.0@2400	616@1500	130.3@1500	19.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09R	4045	116@2400	110.3@2400	27.0@2400	616@1500	130.3@1500	19.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09S	4045	116@2200	115.3@2200	25.4@2200	667@1500	141.7@1500	21.7@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09T	4045	116@2200	115.3@2200	25.4@2200	667@1500	141.7@1500	21.7@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09U	4045	104@2400	100.9@2400	24.7@2400	552@1500	116.4@1500	17.8@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09V	4045	104@2400	100.9@2400	24.7@2400	552@1500	116.4@1500	17.8@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09W	4045	104@2200	103.7@2200	23.3@2200	601@1500	126.5@1500	19.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09X	4045	104@2200	103.7@2200	23.3@2200	601@1500	126.5@1500	19.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09Y	4045	93@2400	92.3@2400	22.6@2400	494@1500	103.7@1500	15.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFC09Z	4045	93@2400	92.3@2400	22.6@2400	494@1500	103.7@1500	15.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFG09A	4045	124@1800	143.8@1800	28.4@1800	730@1500	158.0@1500	23.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HFG09B	4045	105@1800	121.5@1800	22.3@1800	730@1500	158.0@1500	23.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HL500	4045	135@2100	137.9@2100	29.5@2100	730@1500	156.0@1500	23.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HL501	4045	135@2100	137.9@2100	29.5@2100	730@1500	156.0@1500	23.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HN051	4045	138@2400	129.3@2400	31.6@2400	730@1500	156@1500	23.9@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HP074	4045	104@2200	103.9@2200	23.3@2200	555@1500	119.6@1500	18.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HRT09A	4045	117@2200	117.3@2200	26.3@2200	660@1500	138.4@1500	21.2@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HRT09B	4045	106@2200	108.2@2200	24.3@2200	612@1500	127.7@1500	19.5@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HT076	4045	103@2000	110.0@2000	22.4@2000	555@1500	118.7@1500	18.2@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC

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Engine Model Summary Form

Manufacturer: John Deere Power Systems
 Engine category: Nonroad CI
 EPA Engine Family: GJDXL06.8302
 Mfr Family Name: 350HCA
 Process Code: New Submission

1. Engine code	2. Engine Model	3. kW@RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke@peak kW (for diesel only)	5. Fuel Rate: (kg/hr)@peak kW (for diesels only)	6. Torque (Nm) @RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke@peak torque	8. Fuel Rate: (kW/hr)@peak torque	9. Emission Control Device Per SAE J1930
4045HT077	4045	136@2200	135.8@2200	30.5@2200	730@1500	157.1@1500	24.0@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HT078	4045	104@2000	103.9@2000	23.3@2000	555@1500	119.6@1500	18.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HT079	4045	104@2200	103.8@2200	23.3@2200	555@1500	119.6@1500	18.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
4045HT083	4045	104@2200	103.9@2200	23.3@2200	555@1500	119.6@1500	18.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HDW86	6068	178@1800	158.8@1800	43.7@1800	1115@1400	184.7@1400	35.2@1400	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HDW87	6068	152@2200	96.6@2200	32.5@2200	935@1600	129.9@1600	31.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HDW92	6068	139@2200	89.6@2200	30.1@2200	841@1600	121.4@1600	29.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HDW94	6068	187@1800	138.6@1800	38.2@1800	1025@1500	145.8@1500	33.4@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HE001	6068	190@2400	109.5@2400	40.2@2400	999@1600	140.3@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HE002	6068	224@2400	131.3@2400	48.2@2400	1141@1600	163.5@1600	39.9@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08A	6068	187@2400	108.2@2400	39.7@2400	1000@1600	140.4@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08AA	6068	104@2200	67.9@2200	22.9@2200	613@1600	88.5@1600	21.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08B	6068	187@2200	114.8@2200	38.6@2200	1000@1600	139.6@1600	34.1@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08C	6068	168@2400	99.7@2400	36.6@2400	900@1600	126.4@1600	30.9@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08D	6068	168@2400	98.8@2400	36.2@2400	900@1600	126@1600	30.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08E	6068	168@2200	105.1@2200	35.4@2200	970@1600	135.2@1600	33.1@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08F	6068	168@2000	114.0@2000	34.9@2000	1000@1600	140.1@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08G	6068	149@2400	90.3@2400	33.1@2400	800@1600	111.1@1600	27.2@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08H	6068	149@2400	89.7@2400	32.9@2400	800@1600	111@1600	27.2@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08I	6068	149@2200	95.8@2200	32.2@2200	873@1600	119.6@1600	29.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08J	6068	149@2000	101.7@2000	31.1@2000	960@1600	136.1@1600	33.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08K	6068	138@2400	83.3@2400	30.5@2400	740@1600	103.8@1600	25.4@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08L	6068	138@2400	83.0@2400	30.4@2400	741@1600	102.7@1600	25.1@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08M	6068	138@2200	87.8@2200	29.5@2200	809@1600	112.6@1600	27.6@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08N	6068	138@2000	95.3@2000	29.1@2000	890@1600	126@1600	30.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08O	6068	187@2000	125.6@2000	38.4@2000	1000@1600	140.3@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08P	6068	129@2400	81.2@2400	29.8@2400	688@1600	99.0@1600	24.2@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08Q	6068	129@2400	81.2@2400	29.8@2400	688@1600	99.0@1600	24.2@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08R	6068	129@2200	84.1@2200	28.3@2200	745@1600	105.8@1600	25.9@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08S	6068	129@2200	84.5@2200	28.4@2200	756@1600	108.6@1600	26.6@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08T	6068	116@2400	76.1@2400	27.9@2400	619@1600	89.1@1600	21.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08U	6068	116@2400	77.0@2400	28.2@2400	619@1600	88.9@1600	21.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08V	6068	116@2200	75.7@2200	25.4@2200	675@1600	98.1@1600	24.0@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08W	6068	116@2200	75.6@2200	25.4@2200	676@1600	98.3@1600	24.0@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08X	6068	104@2400	69.7@2400	25.6@2400	556@1600	80.7@1600	19.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08Y	6068	104@2400	69.1@2400	25.4@2400	556@1600	80.7@1600	19.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC08Z	6068	104@2200	68.3@2200	23.0@2200	613@1600	88.6@1600	21.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09A	6068	224@2400	133.2@2400	48.8@2400	1141@1600	163.4@1600	39.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09B	6068	224@2200	140.8@2200	47.3@2200	1141@1600	151.1@1600	39.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09C	6068	205@2400	120.7@2400	44.3@2400	1057@1600	150.6@1600	39.1@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09D	6068	205@2200	127.8@2200	43.0@2200	1057@1600	150.2@1600	39.0@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09E	6068	187@2400	108.4@2400	39.8@2400	1026@1600	145.6@1600	35.6@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09F	6068	187@2200	116.2@2200	39.1@2200	1026@1600	145.7@1600	35.6@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09G	6068	168@2400	98.3@2400	36.1@2400	1000@1600	141.0@1600	34.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC

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Engine Model Summary Form

Manufacturer: John Deere Power Systems
 Engine category: Nonroad CI
 EPA Engine Family: GJDXL06.8302
 Mfr Family Name: 350HCA
 Process Code: New Submission

1. Engine code	2. Engine Model	3. kW@RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke@peak kW (for diesel only)	5. Fuel Rate: (kg/hr)@peak kW (for diesels only)	6. Torque (Nm) @RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke@peak torque	8. Fuel Rate: (kW/hr)@peak torque	9. Emission Control Device Per SAE J1930
6068HFC09H	6068	168@2200	105.1@2200	35.4@2200	1000@1600	142.4@1600	34.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFC09I	6068	168@2200	107.2@2200	36.1@2200	1000@1600	143.7@1600	35.1@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFG08A	6068	180@1800	132.6@1800	36.5@1800				EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFG08B	6068	150@1800	111.3@1800	30.6@1800				EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFG09A	6068	241@1800	191.4@1800	47.3@1800				EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HFG09B	6068	216@1800	163.5@1800	44.9@1800				EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HL498	6068	154@2100	104.0@2100	33.3@2100	842@1600	122@1600	29.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HL498B	6068	157@2100	102.4@2100	32.9@2100	935@1600	129.9@1600	31.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HL499	6068	190@2100	122.3@2100	39.3@2100	1000@1600	140.4@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HL501	6068	190@2100	123.9@2100	39.8@2100	1024@1600	145@1600	35.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HL502	6068	190@2100	123.9@2100	39.8@2100	1025@1600	145@1600	35.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HND067	6068	224@2400	130.0@2400	47.7@2400	1140@1600	160.4@1600	39.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HPRNT5	6068	236@2400	136.5@2400	50.1@2400	1309@1600	187.4@1600	45.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HRT08A	6068	139@2200	92.8@2200	31.2@2200	833@1500	123.5@1500	28.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HRT08B	6068	128@2200	84.9@2200	28.9@2200	745@1500	109.4@1500	25.1@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HRT08C	6068	115@2200	76.3@2200	25.7@2200	703@1500	102.8@1500	23.6@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HRT08D	6068	102@2200	66.5@2200	23.0@2200	640@1500	93@1500	21.3@1500	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT099	6068	190@2100	122.3@2100	39.3@2100	1000@1600	140.4@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT100	6068	190@2100	123.9@2100	39.8@2100	1025@1600	145.0@1600	35.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT101	6068	190@2100	122.3@2100	39.3@2100	1000@1600	140.4@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT106	6068	163@2000	112.7@2000	34.5@2000	842@1600	119.7@1800	29.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT107	6068	213@1900	154.1@1900	44.8@1900	1141@1600	166.6@1600	40.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT108	6068	156@2100	103.7@2100	33.3@2100	842@1600	121.5@1600	29.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT113	6068	156@2100	103.7@2100	33.3@2100	842@1600	121.5@1600	29.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT114	6068	190@2100	122.3@2100	39.3@2100	1000@1600	140.4@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HT115	6068	190@2100	123.9@2100	39.8@2100	1025@1600	145.0@1600	35.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HTJ58	6068	224@2200	143.1@2200	48.1@2200	1170@1600	166.9@1800	40.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068HTJ59	6068	190@2200	120.9@2200	40.7@2200	1025@1600	145@1600	35.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW406A	6068	221@2100	145.9@2100	46.9@2100	1171@1600	167.8@1600	41.0@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW406B	6068	224@2100	147.0@2100	47.2@2100	1245@1600	181.3@1600	43.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW407A	6068	221@2100	145.9@2100	46.9@2100	1171@1600	167.8@1600	41.0@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW407B	6068	224@2100	147.0@2100	47.2@2100	1245@1600	181.3@1600	43.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW410	6068	190@2100	123.0@2100	39.5@2100	1025@1600	142.3@1600	34.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW411	6068	190@2100	123.0@2100	39.5@2100	1025@1600	142.3@1600	34.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW423	6068	190@2100	122.3@2100	39.3@2100	1000@1600	140.4@1600	34.3@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW424	6068	190@2100	123.9@2100	39.8@2100	1025@1600	145@1600	35.5@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW425	6068	224@2100	143.0@2100	45.8@2100	1245@1600	174@1600	42.6@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW426	6068	224@2100	143.0@2100	45.8@2100	1245@1600	174@1600	42.6@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW427	6068	190@2100	123.0@2100	39.5@2100	1025@1600	142.3@1600	34.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW428	6068	190@2100	123.0@2100	39.5@2100	1025@1600	142.3@1600	34.8@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC
6068RW429	6068	154@2100	104.0@2100	33.3@2100	842@1600	122@1600	29.7@1600	EGR EC PTOX OC SCRC NH3OC DFI TC CAC