

	DEUTZ AG	EXECUTIVE ORDER U-R-013-0165-1 New Off-Road Compression-Ignition Engines
--	----------	---

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-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engines and emission control system 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)
2006	6DZXLO7.1034	7.2	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Smoke Puff Limiter (some models), Charge Air Cooler			Loader, Compressor	

The engine models and codes are attached.

The following are the exhaust certification standards (STD) 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 (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
75 ≤ kW < 130	Tier 2	STD	N/A	N/A	6.6	5.0	0.30	20	15	50
		CERT	-	-	5.9	1.1	0.12	4	1	9


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.

This Executive Order hereby supersedes Executive Order U-R-013-0165 dated December 30, 2005

Executed at El Monte, California on this 22nd day of December 2006.


Annette Hebert, Chief
Mobile Source Operations Division

Attachment Log 6
M-R-013-0165-1

Engine Model Summary Template

Engine Family	1. Engine Code	2. Engine Model	3. BHP@RPM (SAE Gross)	4. Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5. Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm ³ /stroke@peak torque	8. Fuel Rate: (lbs/hr)@peak torque	9. Emission Control Device Per SAE J193C
6DZXL07.1034	DE117	BF4M1013FC	156.8@2000	132	58.6	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE106/1	BF4M1013FC	142.1@2000	119	52.8	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE122	BF4M1013FC	163.6@1846	149	61.1	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE111	BF4M1013FC	148.8@1846	135	55.3	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	CE86	BF4M1013EC	115.3@1800	107	42.7	525@1400	123	38.2	DDI, TC, CAC,
6DZXL07.1034	CE80	BF4M1013EC	107.2@1800	100	39.9	500@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	DE110/1	TAD520GE	147.5@1800	138	55.1	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	CE118	TAD520VE	158.2@2300	121	61.8	577@1400	129	40.1	DDI, TC, CAC,
6DZXL07.1034	CE107	TAD520VE	143.4@2300	112	57.2	520@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE114	TAD520VE	152.8@2200	119	58.1	569@1400	129	40.1	DDI, TC, CAC,
6DZXL07.1034	CE110	TAD520VE	147.5@2100	120	55.9	577@1400	131	40.7	DDI, TC, CAC,
6DZXL07.1034	CE101/1	TAD520VE	135.4@2100	111	51.7	520@1400	117	36.3	DDI, TC, CAC,
6DZXL07.1034	CE104	TAD520VE	139.4@2200	108	52.7	512@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE235	BF6M1013FC	255.315@2300	211.5	126.8	1380@1700	216	107.9	Test Engine
6DZXL07.1034	CE112/1	BF4M1013C	152.7@2300	117	59.7	544@1400	122	37.9	DDI, TC, CAC,
6DZXL07.1034	CE104	BF4M1013C	142@2300	110	56.2	516@1400	117	36.3	DDI, TC, CAC,
6DZXL07.1034	CE99/1	BF4M1013C	135.3@2300	105	53.6	487@1400	113	35.1	DDI, TC, CAC,
6DZXL07.1034	CE108	BF4M1013C	147@2200	116	56.7	544@1400	122	37.9	DDI, TC, CAC,
6DZXL07.1034	CE101/1	BF4M1013C	137.6@2200	109	53.2	516@1400	117	36.3	DDI, TC, CAC,
6DZXL07.1034	CE96/2	BF4M1013C	130.9@2200	103	50.3	487@1400	113	35.1	DDI, TC, CAC,
6DZXL07.1034	CE104/1	BF4M1013C	141.4@2100	115	53.6	544@1400	123	38.2	DDI, TC, CAC,
6DZXL07.1034	CE99/3	BF4M1013C	134.6@2100	110	51.3	516@1400	117	36.3	DDI, TC, CAC,
6DZXL07.1034	CE94	BF4M1013C	127.9@2100	105	48.9	487@1400	110	34.2	DDI, TC, CAC,
6DZXL07.1034	CE101/2	BF4M1013C	137.1@2000	116	51.5	544@1400	123	38.2	DDI, TC, CAC,
6DZXL07.1034	CE96/1	BF4M1013C	130.4@2000	111	49.3	516@1400	117	36.3	DDI, TC, CAC,
6DZXL07.1034	CE90	BF4M1013C	122.3@2000	105	46.6	487@1400	110	34.2	DDI, TC, CAC,
6DZXL07.1034	CE95	BF4M1013EC	127.3@2300	99	50.5	491@1400	112	34.8	DDI, TC, CAC,
6DZXL07.1034	CE86/1	BF4M1013EC	115.3@2300	91	46.5	491@1400	112	34.8	DDI, TC, CAC,

2066

U-R-013-0165-1

Engine Model Summary Template



Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm ³ /stroke @ peak HP (for diesel only)	5. Fuel Rate: mm ³ /stroke @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm ³ /stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque Device Per SAE J193C	9.Emission Control Device Per SAE J193C
3DZXL07.1034	CE112	BF4M1013C	156.7@2300	120	61.3	569@1400	129	40.1	DDI, TC, CAC,
3DZXL07.1034	CE109	BF4M1013C	152.7@2300	117	59.7	540@1400	124	38.5	DDI, TC, CAC,
3DZXL07.1034	CE101	BF4M1013C	142@2300	109	55.7	512@1400	118	36.7	DDI, TC, CAC,
3DZXL07.1034	CE96	BF4M1013C	135.3@2300	105	53.6	483@1400	112	34.8	DDI, TC, CAC,
3DZXL07.1034	CE109/1	BF4M1013C	151.9@2200	120	58.6	569@1400	129	40.1	DDI, TC, CAC,
6DZXL07.1034	CE106/1	BF4M1013C	147.8@2200	116	56.7	540@1400	124	38.5	DDI, TC, CAC,
6DZXL07.1034	CE99	BF4M1013C	138.5@2200	109	53.2	512@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE94/2	BF4M1013C	131.8@2200	105	51.3	483@1400	112	34.8	DDI, TC, CAC,
6DZXL07.1034	CE106/2	BF4M1013C	147.1@2100	120	55.9	569@1400	132	41	DDI, TC, CAC,
6DZXL07.1034	CE102	BF4M1013C	141.7@2100	116	54.1	540@1400	124	38.5	DDI, TC, CAC,
6DZXL07.1034	CE97	BF4M1013C	135@2100	113	52.7	512@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE92	BF4M1013C	128.3@2100	106	49.4	483@1400	112	34.8	DDI, TC, CAC,
6DZXL07.1034	CE102/1	BF4M1013C	141.1@2000	120	53.3	569@1400	132	41	DDI, TC, CAC,
6DZXL07.1034	CE99/2	BF4M1013C	137@2000	118	52.4	540@1400	124	38.5	DDI, TC, CAC,
6DZXL07.1034	CE94/1	BF4M1013C	130.3@2000	111	49.3	512@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE88	BF4M1013C	122.3@2000	106	47.1	483@1400	112	34.8	DDI, TC, CAC,
6DZXL07.1034	DE97	BF4M1013C	133.2@1800	121	48.3	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE92	BF4M1013C	126.5@1800	125	49.9	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE88	BF4M1013C	121.1@1800	110	43.9	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE103	BF4M1013C	141.5@1846	126	51.6	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE93	BF4M1013C	128.1@1846	113	46.3	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE106	BF4M1013C	146.4@2000	119	52.8	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE96	BF4M1013C	133@2000	108	47.9	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE110	BF4M1013C	154.9@2400	103	54.9	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE100	BF4M1013C	141.5@2400	94	50.1	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	CE118	BF4M1013EC	158.2@2300	120	61.3	577@1400	129	40.1	DDI, TC, CAC,
6DZXL07.1034	CE115	BF4M1013EC	154.2@2300	117	59.7	548@1400	124	38.5	DDI, TC, CAC,
6DZXL07.1034	CE107	BF4M1013EC	143.4@2300	119	60.8	520@1400	118	36.7	DDI, TC, CAC,

3 of 6

11-1-013-0165-1

Engine Model Summary Template



Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: mm/stroke @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J193C
3DZXL07.1034	CE102/2	BF4M1013EC	136.7@2300	105	53.6	491@1400	112	34.8	DDI, TC, CAC,
3DZXL07.1034	CE114	BF4M1013EC	152.8@2200	119	58.1	569@1400	129	40.1	DDI, TC, CAC,
3DZXL07.1034	CE111	BF4M1013EC	148.8@2200	116	56.7	548@1400	124	38.5	DDI, TC, CAC,
3DZXL07.1034	CE104	BF4M1013EC	139.4@2200	108	52.7	512@1400	118	36.7	DDI, TC, CAC,
3DZXL07.1034	CE99/2	BF4M1013EC	132.7@2200	105	51.3	491@1400	112	34.8	DDI, TC, CAC,
3DZXL07.1034	CE110	BF4M1013EC	147.5@2100	121	56.4	577@1400	132	41	DDI, TC, CAC,
3DZXL07.1034	CE106/2	BF4M1013EC	142.1@2100	116	54.1	548@1400	124	38.5	DDI, TC, CAC,
3DZXL07.1034	CE101/1	BF4M1013EC	135.4@2100	111	51.7	520@1400	118	36.7	DDI, TC, CAC,
3DZXL07.1034	CE96/1	BF4M1013EC	128.7@2100	107	49.9	491@1400	112	34.8	DDI, TC, CAC,
3DZXL07.1034	CE106/3	BF4M1013EC	142.1@2000	120	53.3	577@1400	132	41	DDI, TC, CAC,
3DZXL07.1034	CE103	BF4M1013EC	138.1@2000	117	51.9	548@1400	124	38.5	DDI, TC, CAC,
3DZXL07.1034	CE98	BF4M1013EC	131.4@2000	113	50.2	520@1400	118	36.7	DDI, TC, CAC,
3DZXL07.1034	CE92/1	BF4M1013EC	123.3@2000	105	46.6	491@1400	111	34.5	DDI, TC, CAC,
3DZXL07.1034	DE110/1	BF4M1013EC	147.5@1800	138	55.1	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE105	BF4M1013EC	140.8@1800	131	52.3	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE100/1	BF4M1013EC	134.1@1800	125	49.9	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE104	BF4M1013EC	139.4@1846	127	52	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE95	BF4M1013EC	127.3@1846	116	47.5	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE108	BF4M1013EC	144.8@2000	122	54.2	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE98	BF4M1013EC	131.4@2000	110	48.8	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE113	BF4M1013EC	151.5@2400	106	56.5	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	DE103/1	BF4M1013EC	138.1@2400	97	51.7	n.a.@n.a.	0	0	DDI, TC, CAC
3DZXL07.1034	CE125	BF4M1013FC	167.6@2300	129	65.9	630@1500	139	46.3	DDI, TC, CAC,
3DZXL07.1034	CE119	BF4M1013FC	159.5@2300	121	61.8	604@1500	135	44.9	DDI, TC, CAC,
3DZXL07.1034	CE112/1	BF4M1013FC	150.1@2300	114	58.2	578@1500	127	42.3	DDI, TC, CAC,
3DZXL07.1034	CE106/4	BF4M1013FC	142.1@2300	108	55.1	552@1500	122	40.6	DDI, TC, CAC,
3DZXL07.1034	CE129	BF4M1013FC	172.9@2300	134	68.4	692@1400	155	48.2	DDI, TC, CAC,
3DZXL07.1034	CE126	BF4M1013FC	168.9@2300	130	66.4	672@1400	147	45.7	DDI, TC, CAC,

4 of 6
 u-x-013-0/65-1

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J193C
3DZXL07.1034	CE120	BF4M1013FC	160.9@2300	124	63.3	645@1400	141	43.8	DDI, TC, CAC,
3DZXL07.1034	CE113	BF4M1013FC	151.5@2300	116	59.2	617@1400	134	41.6	DDI, TC, CAC,
3DZXL07.1034	CE123	BF4M1013FC	164.9@2200	131	64	630@1500	139	46.3	DDI, TC, CAC,
3DZXL07.1034	CE117	BF4M1013FC	156.8@2200	121	59.1	604@1500	135	44.9	DDI, TC, CAC,
3DZXL07.1034	CE111/1	BF4M1013FC	148.8@2200	116	56.7	578@1500	127	42.3	DDI, TC, CAC,
3DZXL07.1034	CE105	BF4M1013FC	140.8@2200	110	53.7	552@1500	122	40.6	DDI, TC, CAC,
6DZXL07.1034	CE129/1	BF4M1013FC	172.9@2200	138	67.4	700@1400	154	47.9	DDI, TC, CAC,
6DZXL07.1034	CE125/1	BF4M1013FC	167.6@2200	133	65	672@1400	147	45.7	DDI, TC, CAC,
6DZXL07.1034	CE119/1	BF4M1013FC	159.5@2200	126	61.5	645@1400	141	43.8	DDI, TC, CAC,
6DZXL07.1034	CE112/2	BF4M1013FC	150.1@2200	109	53.2	617@1400	134	41.6	DDI, TC, CAC,
6DZXL07.1034	CE120/1	BF4M1013FC	160.9@2100	131	61.1	630@1500	142	47.3	DDI, TC, CAC,
6DZXL07.1034	CE113/1	BF4M1013FC	151.5@2100	123	57.3	604@1500	136	45.3	DDI, TC, CAC,
6DZXL07.1034	CE109/2	BF4M1013FC	146.1@2100	118	55	578@1500	130	43.3	DDI, TC, CAC,
6DZXL07.1034	CE103/1	BF4M1013FC	138.1@2100	113	52.7	552@1500	124	41.3	DDI, TC, CAC,
6DZXL07.1034	CE129/2	BF4M1013FC	172.9@2100	142	66.2	700@1400	154	47.9	DDI, TC, CAC,
6DZXL07.1034	CE124	BF4M1013FC	166.2@2100	137	63.9	672@1400	147	45.7	DDI, TC, CAC,
6DZXL07.1034	CE118/1	BF4M1013FC	158.2@2100	129	60.1	645@1400	143	44.4	DDI, TC, CAC,
6DZXL07.1034	CE111/2	BF4M1013FC	148.8@2100	122	56.9	617@1400	134	41.6	DDI, TC, CAC,
6DZXL07.1034	CE117/1	BF4M1013FC	156.8@2000	132	58.6	630@1500	142	47.3	DDI, TC, CAC,
6DZXL07.1034	CE112/3	BF4M1013FC	150.1@2000	128	56.8	604@1500	136	45.3	DDI, TC, CAC,
6DZXL07.1034	CE107/1	BF4M1013FC	143.4@2000	120	53.3	578@1500	130	43.3	DDI, TC, CAC,
6DZXL07.1034	CE101/2	BF4M1013FC	135.4@2000	115	51.1	552@1500	124	41.3	DDI, TC, CAC,
6DZXL07.1034	CE128	BF4M1013FC	171.6@2000	146	64.8	700@1400	154	47.9	DDI, TC, CAC,
6DZXL07.1034	CE122	BF4M1013FC	163.6@2000	140	62.2	672@1400	147	45.7	DDI, TC, CAC,
6DZXL07.1034	CE116	BF4M1013FC	155.5@2000	132	58.6	645@1400	141	43.8	DDI, TC, CAC,
6DZXL07.1034	CE110/1	BF4M1013FC	147.5@2000	125	55.5	617@1400	134	41.6	DDI, TC, CAC,
6DZXL07.1034	DE119	BF4M1013FC	159.5@2400	112	59.7	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE108/1	BF4M1013FC	144.8@2400	101	53.8	n.a.@n.a.	0	0	DDI, TC, CAC

5 of 6
 61-R-013-0165-1

Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: HP (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque Device Per SAE J193C	9.Emission Control
3DZXL07.1034	CE88	BF4M1013EC	118@2200	94	45.9	491@1400	112	34.8	DDI, TC, CAC,
3DZXL07.1034	CE86/2	BF4M1013EC	115.3@2000	98	43.5	491@1400	111	34.5	DDI, TC, CAC,
6DZXL07.1034	CE93	BF4M1013C	127.2@2300	100	51.1	447@1400	103	32	DDI, TC, CAC,
6DZXL07.1034	CE84	BF4M1013C	115.1@2300	91	46.5	447@1400	103	32	DDI, TC, CAC,
6DZXL07.1034	CE86	BF4M1013C	117.6@2200	94	45.9	447@1400	103	32	DDI, TC, CAC,
6DZXL07.1034	CE129	BF6M1013EC	172.9@2300	90	68.9	725@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE129/1	BF6M1013EC	172.9@2200	92	67.4	727@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE129/2	BF6M1013EC	172.9@2100	94	65.7	727@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE125	BF6M1013EC	167.6@2000	93	61.9	725@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE122/1	BF6M1013C	168.9@2300	88	67.4	725@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE125	BF6M1013C	171.6@2200	91	66.7	725@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE126	BF6M1013C	172.9@2100	94	65.7	725@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE110	BF6M1013C	151.5@2100	84	58.7	725@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE122	BF6M1013C	167.6@2000	93	61.9	727@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE110T	BF6M1013EC	147.7@2300	77	59	552@1300	83	41.4	DDI, TC, CAC,
6DZXL07.1034	CE121T	BF6M1013EC	161.9@2300	84	64.3	595@1400	90	47.9	DDI, TC, CAC,
6DZXL07.1034	CE128T	BF6M1013EC	171.1@2300	88	67.4	643@1500	97	53.3	DDI, TC, CAC,
6DZXL07.1034	CE129T	BF6M1013EC	172.8@2350	89	69.7	655@1200	98	47.3	DDI, TC, CAC,
6DZXL07.1034	CE122T	BF6M1013EC	163.1@2350	84	65.7	609@1200	91	42.4	DDI, TC, CAC,
6DZXL07.1034	CE92	D5DEBE2	123.3@1900	108	45.5	555@1400	126	39.1	DDI, TC, CAC,
6DZXL07.1034	CE92/2	BF4M1013EC	123.3@1900	110	46.4	555@1400	131	40.7	DDI, TC, CAC,
6DZXL07.1034	CE90	BF4M1013EC	120.6@1800	112	44.7	555@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE93	BF4M1013EC	124.7@2000	108	47.9	555@1400	131	40.7	DDI, TC, CAC,
6DZXL07.1034	CE94	BF4M1013EC	126@2100	104	48.5	555@1400	131	40.7	DDI, TC, CAC,
6DZXL07.1034	CE87	BF4M1013EC	116.6@1900	105	44.3	525@1400	123	38.2	DDI, TC, CAC,
6DZXL07.1034	CE88/1	BF4M1013EC	118@2000	102	45.3	525@1400	123	38.2	SPL
6DZXL07.1034	CE89	BF4M1013EC	119.3@2100	100	46.6	525@1400	123	38.2	DDI, TC, CAC,
6DZXL07.1034	CE82	BF4M1013EC	109.9@1900	99	41.7	500@1400	118	36.7	DDI, TC, CAC,

6 of 6
 U-R-013-0165-1

Engine Model Summary Template

Engine Family	1. Engine Code	2. Engine Model	3. BHP @ RPM (SAE Gross)	4. Fuel Rate: mm/stroke @ peak HP (for diesel only)	5. Fuel Rate: lbs/hr @ peak HP (for diesels only)	6. Torque @ RPM (SEA Gross)	7. Fuel Rate: mm/stroke @ peak torque	8. Fuel Rate: (lbs/hr) @ peak torque	9. Emission Control Device Per SAE J193C
6DZXL07.1034	CE83	BF4M1013EC	111.3@2000	97	43.1	500@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	CE84	BF4M1013EC	112.6@2100	94	43.8	500@1400	118	36.7	DDI, TC, CAC,
6DZXL07.1034	DE122/1	BF4M1013FC	163.6@1800	146	58.3	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	DE120	BF4M1013EC	160.9@1800	144	57.5	n.a.@n.a.	0	0	DDI, TC, CAC
6DZXL07.1034	CE129	D7DDBE2	172.9@2100	94	65.7	727@1400	105	52.4	DDI, TC, CAC,
6DZXL07.1034	CE111/1	BF4M1013EC	148.8@2200	116	56.7	569@1400	129	40.1	DDI, TC, CAC,