

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)
2005	5DZXL07.1034	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
130 ≤ kW < 225	Tier 2	STD	N/A	N/A	6.6	3.5	0.20	20	15	50
		CERT	-	-	6.4	1.3	0.12	9	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.**

Executed at El Monte, California on this 28<sup>TH</sup> day of October 2004.



Allen Lyons, Chief  
 Mobile Source Operations Division

# Engine Model Summary Template

U-R-013-0147

Tc, CAC

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4. Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5. Fuel Rate: (bahr) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8. Fuel Rate: (bahr)/@peak torque	9. Emission Control Device Per SAE J1930
5DZXL07.1034	CE132	BF6M1013C	185.2@2100	99	69.2	536.2@1500	105	52.4	SPL DDT
5DZXL07.1034	CE136	BF6M1013C	193.1@22200	99	72.5	536.2@1500	105	52.4	SPL
5DZXL07.1034	CE136/1	BF6M1013C	190.4@2000	103	68.6	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE139	BF6M1013C	198.4@2300	100	76.6	536.2@1500	105	52.4	SPL
5DZXL07.1034	CE140/1	BF6M1013C	195.7@2100	104	72.7	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE143/1	BF6M1013C	199.8@2000	108	71.9	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE144	BF6M1013C	203.8@22200	105	76.9	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE148/1	BF6M1013C	210.5@2300	106	81.2	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE148/2	BF6M1013C	206.5@2100	110	76.9	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE151/1	BF6M1013C	210.5@2000	114	75.9	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE151/2	BF6M1013C	209.1@1846	120	73.8	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE152/1	BF6M1013C	214.5@22200	111	81.3	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE156/1	BF6M1013C	221.2@2300	112	85.8	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE156/2	BF6M1013C	217.2@2100	116	81.1	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE157/2	BF6M1013C	218.5@2000	120	79.9	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE160/2	BF6M1013C	227.9@2400	112	89.5	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE161	BF6M1013C	226.6@2200	117	85.7	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE165/3	BF6M1013C	233.3@2300	118	90.4	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE143	BF6M1013CP	201.1@2000	110	73.3	593@1500	117	58.4	SPL
5DZXL07.1034	CE146	BF6M1013CP	207.8@2100	110	76.9	593@1500	117	58.4	SPL
5DZXL07.1034	CE151	BF6M1013CP	211.8@2000	116	77.3	626.9@1500	124	61.9	SPL
5DZXL07.1034	CE155	BF6M1013CP	222.6@2300	111	85	578.2@1500	114	56.9	SPL
5DZXL07.1034	CE156	BF6M1013CP	221.2@2100	118	82.5	626.9@1500	124	61.9	SPL
5DZXL07.1034	CE158/1	BF6M1013CP	218.5@1800	130	77.9	661.5@1500	131	65.4	SPL
5DZXL07.1034	CE159	BF6M1013CP	222.6@2000	122	81.3	661.5@1500	131	65.4	SPL
5DZXL07.1034	CE164	BF6M1013CP	231.9@2100	124	86.7	661.5@1500	131	65.4	SPL
5DZXL07.1034	CE165/4	BF6M1013CP	236@2300	118	90.4	612.1@1500	121	60.4	SPL
5DZXL07.1034	CE166/1	BF6M1013CP	234.6@2200	120	87.9	612.1@1500	121	60.4	SPL

# Engine Model Summary Template

4-R-013-0147

DI, TC, CAC

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mmv/stroke @ peak HP (for diesel only)	5.Fuel Rate: (bsh/1) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mmv/stroke@peak torque	8.Fuel Rate: (bsh/1)@peak torque	9.Emission Control Device Per SAE J1930
5DZXL07.1034	CE168	BF6M1013CP	234.6@2000	129	85.9	654.2@1500	132	65.9	SPL
5DZXL07.1034	CE169/3	BF6M1013CP	233.3@1846	135	83	654.2@1500	132	65.9	SPL
5DZXL07.1034	CE170/3	BF6M1013CP	240@2200	123	90.1	646.9@1500	128	63.9	SPL
5DZXL07.1034	CE173/1	BF6M1013CP	244@2100	132	92.3	691@1400	135	62.9	SPL
5DZXL07.1034	CE173/2	BF6M1013CP	244@2100	130	90.9	668.9@1500	132	65.9	SPL
5DZXL07.1034	CE175	BF6M1013CP	249.4@2300	125	95.8	646.9@1500	128	63.9	SPL
5DZXL07.1034	CE175/1	BF6M1013CP	244@2000	135	89.9	654.2@1500	132	65.9	SPL
5DZXL07.1034	CE179/1	BF6M1013CP	252.1@2200	130	95.3	654.2@1500	130	64.9	SPL
5DZXL07.1034	CE179/2	BF6M1013CP	252.1@2200	130	95.3	691@1400	133	62	SPL
5DZXL07.1034	CE179/3	BF6M1013CP	254.7@2400	124	99.1	637.9@1700	124	70.2	SPL
5DZXL07.1034	CE184/1	BF6M1013CP	261.4@2300	134	102.7	691@1400	133	62	SPL
5DZXL07.1034	CE184/2	BF6M1013CP	261.4@2300	131	100.4	654.2@1600	130	69.3	SPL
5DZXL07.1034	CE142	BF6M1013EC	190.4@2000	103	68.6	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE144T	BF6M1013FC	193.1@2300	106	81.2	657.9@1500	131	65.4	SPL
5DZXL07.1034	CE146/1	BF6M1013EC	195.7@2100	104	72.7	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE147/1	BF6M1013EC	197.1@2200	105	76.9	578.2@1500	114	56.9	SPL
5DZXL07.1034	CE147T	BF6M1013EC	199.1@2350	102	79.8	557.5@1500	102	57.2	SPL
5DZXL07.1034	CE147T1	BF6M1013EC	197.1@2200	102	74.7	616.6@1500	121	60.4	SPL
5DZXL07.1034	CE148	BF6M1013EC	198.4@2300	100	76.6	536.2@1500	105	52.4	SPL
5DZXL07.1034	CE149	BF6M1013EC	199.9@2000	108	71.9	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE152	BF6M1013EC	203.9@2200	105	76.9	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE154	BF6M1013EC	206.5@2100	110	76.9	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE156/3	BF6M1013EC	209.1@1846	120	73.8	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE157	BF6M1013EC	210.5@2300	106	81.2	567.1@1500	112	55.9	SPL
5DZXL07.1034	CE157/1	BF6M1013EC	210.5@2000	114	75.9	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE160	BF6M1013EC	214.5@2200	111	81.3	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE162	BF6M1013EC	217.2@2100	116	81.1	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE162/1	BF6M1013EC	217.2@2200	112	82.1	629.8@1500	124	61.9	SPL

4-R-013-0147

**Engine Model Summary Template**

DD111AC

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: (lb/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SAE Gross)	7.Fuel Rate: mm/stroke @ peak torque	8.Fuel Rate: (lb/hr) @ peak torque	9.Emission Control Device Per SAE J1930
5DZXL07.1034	CE163	BF6M1013EC	218.5@2000	120	79.9	629.8@1500	124	81.9	SPL
5DZXL07.1034	CE165/5	BF6M1013EC	221.2@2300	112	85.8	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE169/2	BF6M1013EC	226.6@2200	117	85.7	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE170/4	BF6M1013EC	227.9@2400	112	89.5	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE174/2	BF6M1013EC	233.3@2300	118	90.4	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE158	BF6M1013ECP	211.8@2000	116	77.3	626.9@1500	124	61.9	SPL
5DZXL07.1034	CE161/1	BF6M1013ECP	215.9@1900	124	78.5	661.5@1500	131	65.4	SPL
5DZXL07.1034	CE162/2	BF6M1013ECP	217.2@2200	110	80.6	626.9@1500	121	60.4	SPL
5DZXL07.1034	CE165/2	BF6M1013ECP	221.2@2100	118	82.5	626.9@1500	124	61.9	SPL
5DZXL07.1034	CE166	BF6M1013ECP	222.6@2000	122	81.3	661.5@1500	131	65.4	SPL
5DZXL07.1034	CE170/2	BF6M1013ECP	227.9@2200	116	85	626.9@1500	121	60.4	SPL
5DZXL07.1034	CE173	BF6M1013ECP	231.9@2100	124	86.7	661.5@1500	131	65.4	SPL
5DZXL07.1034	CE174/3	BF6M1013ECP	233.3@1846	135	83	668.9@1500	132	65.9	SPL
5DZXL07.1034	CE176/3	BF6M1013ECP	236@2300	118	90.4	626.9@1500	121	60.4	SPL
5DZXL07.1034	CE179	BF6M1013ECP	240@2200	123	90.1	661.5@1500	128	63.9	SPL
5DZXL07.1034	CE182	BF6M1013ECP	244@2100	132	92.3	703.6@1400	135	62.9	SPL
5DZXL07.1034	CE182/1	BF6M1013ECP	244@2100	130	90.9	668.9@1500	132	65.9	SPL
5DZXL07.1034	CE182/2	BF6M1013ECP	244@2000	135	89.9	668.9@1500	132	65.9	SPL
5DZXL07.1034	CE186/3	BF6M1013ECP	249.4@2300	125	95.8	661.5@1500	128	63.9	SPL
5DZXL07.1034	CE188/2	BF6M1013ECP	252.1@2200	130	95.3	703.6@1400	133	62	SPL
5DZXL07.1034	CE188/3	BF6M1013ECP	252.1@2200	130	95.3	668.9@1500	130	64.9	SPL
5DZXL07.1034	CE190/2	BF6M1013ECP	254.7@2400	125	99.9	652.7@1700	124	70.2	SPL
5DZXL07.1034	CE195/1	BF6M1013ECP	261.4@2300	134	102.7	703.6@1400	133	62	SPL
5DZXL07.1034	CE195/2	BF6M1013ECP	261.4@2300	131	100.4	668.9@1500	130	64.9	SPL
5DZXL07.1034	CE186/1	BF6M1013FC	249.4@2100	135	94.4	743.4@1400	143	66.7	SPL
5DZXL07.1034	CE165	BF6M1013FC	221.2@2000	121	80.6	682.2@1500	134	66.9	SPL
5DZXL07.1034	CE165/1	BF6M1013FC	221.2@2000	122	81.3	682.2@1400	131	61.1	SPL
5DZXL07.1034	CE167	BF6M1013FC	223.9@2100	119	83.2	682.2@1500	134	66.9	SPL

U-R-013-0147

DDI, TC, CAC

**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3.BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8 Fuel Rate: (lb/hr)@peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE167/1	BF6M1013FC	223.9@2100	121	84.8	682.2@1400	131	61.1	SPL
5DZXL07.1034	CE169	BF6M1013FC	226.6@2200	116	85	682.2@1500	133	66.4	SPL
5DZXL07.1034	CE169/1	BF6M1013FC	226.6@2200	118	86.5	682.2@1400	131	61.1	SPL
5DZXL07.1034	CE169T1	BF6M1013FC	226.6@2200	116	85	733.8@1400	141	65.7	SPL
5DZXL07.1034	CE170	BF6M1013FC	227.9@2300	115	88.1	682.2@1500	133	66.4	SPL
5DZXL07.1034	CE170/1	BF6M1013FC	227.9@2300	119	91.2	682.2@1400	131	61.1	SPL
5DZXL07.1034	CE173/3	BF6M1013FC	231.9@1800	140	83.9	743.4@1500	146	72.9	SPL
5DZXL07.1034	CE174	BF6M1013FC	233.3@2000	128	85.3	713.2@1500	140	69.9	SPL
5DZXL07.1034	CE174/1	BF6M1013FC	233.3@2000	129	85.9	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE176	BF6M1013FC	236@2100	126	88.1	713.2@1500	140	69.9	SPL
5DZXL07.1034	CE176/1	BF6M1013FC	236@2100	127	88.8	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE176/2	BF6M1013FC	236@2000	129	85.9	666@1700	135	76.4	SPL
5DZXL07.1034	CE178	BF6M1013FC	238.6@2200	123	90.1	713.2@1500	139	69.4	SPL
5DZXL07.1034	CE178/1	BF6M1013FC	238.6@2200	124	90.9	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE180	BF6M1013FC	241.3@2250	118	88.4	702.1@1700	139	78.7	SPL
5DZXL07.1034	CE180/1	BF6M1013FC	241.3@2300	126	96.5	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE180/2	BF6M1013FC	241.3@2300	122	93.5	713.2@1500	139	69.4	SPL
5DZXL07.1034	CE183	BF6M1013FC	245.4@2000	134	89.3	743.4@1500	145	72.4	SPL
5DZXL07.1034	CE183/1	BF6M1013FC	245.4@2000	136	90.6	743.4@1400	143	66.7	SPL
5DZXL07.1034	CE184	BF6M1013FC	246.7@2100	132	92.3	666@1700	135	76.4	SPL
5DZXL07.1034	CE186	BF6M1013FC	249.4@2100	132	92.3	743.4@1500	154	76.9	SPL
5DZXL07.1034	CE186/2	BF6M1013FC	249.4@2000	137	91.3	702.1@1700	141	79.8	SPL
5DZXL07.1034	CE186T	BF6M1013FC	249.4@2200	128	93.8	785.5@1400	151	70.4	no
5DZXL07.1034	CE188	BF6M1013FC	252.1@2200	130	95.3	743.4@1500	144	71.9	SPL
5DZXL07.1034	CE188/1	BF6M1013FC	252.1@2200	130	95.3	743.4@1400	141	65.7	SPL
5DZXL07.1034	CE190	BF6M1013FC	254.7@2300	129	98.8	743.4@1500	144	71.9	SPL
5DZXL07.1034	CE190/1	BF6M1013FC	254.7@2300	130	99.6	743.4@1400	141	65.7	SPL
5DZXL07.1034	CE191	BF6M1013FC	256.1@2000	140	93.3	774.4@1500	154	76.9	SPL

U-R-013-0147

**Engine Model Summary Template**

TC, CA, DDF

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm³/stroke @ peak HP (for diesel only)	5.Fuel Rate: (bshp) @ peak HP (for diesel only)	6.Torque @ RPM (SAE Gross)	7.Fuel Rate: mm³/stroke @ peak torque	8.Fuel Rate: (bshp) @ peak torque	9.Emission Control Device For SAE J1930
5DZXL07.1034	CE191/1	BF6M1013FC	256.1 @2000	142	94.6	774.4 @1400	149	69.5	SPL
5DZXL07.1034	CE191T	BF6M1013FC	256.1 @2350	131	102.6	774.4 @1500	150	74.9	no
5DZXL07.1034	CE192	BF6M1013FC	257.4 @2200	130	95.3	666 @1700	133	75.3	SPL
5DZXL07.1034	CE194	BF6M1013FC	260.1 @2100	138	96.5	774.4 @1500	154	76.9	SPL
5DZXL07.1034	CE194/1	BF6M1013FC	260.1 @2100	141	98.6	774.4 @1400	149	69.5	SPL
5DZXL07.1034	CE195	BF6M1013FC	261.4 @2100	140	97.9	702.1 @1700	141	79.8	SPL
5DZXL07.1034	CE197	BF6M1013FC	264.1 @2200	135	98.9	774.4 @1500	153	76.4	SPL
5DZXL07.1034	CE197/1	BF6M1013FC	264.1 @2200	136	99.7	774.4 @1400	147	68.5	SPL
5DZXL07.1034	CE200	BF6M1013FC	268.2 @2300	135	103.4	774.4 @1500	153	76.4	SPL
5DZXL07.1034	CE200/1	BF6M1013FC	268.2 @2300	137	105	774.4 @1400	147	68.5	SPL
5DZXL07.1034	CE200/2	BF6M1013FC	268.2 @2300	130	99.6	666 @1700	133	75.3	SPL
5DZXL07.1034	CE200/3	BF6M1013FC	268.2 @2000	145	96.6	737.5 @1700	147	83.2	SPL
5DZXL07.1034	CE203	BF6M1013FC	272.2 @2250	134	100.4	737.5 @1700	145	82.1	SPL
5DZXL07.1034	CE203/1	BF6M1013FC	272.2 @2200	138	101.1	702.1 @1700	139	78.7	SPL
5DZXL07.1034	CE205	BF6M1013FC	274.9 @2100	145	101.4	737.5 @1700	147	83.2	SPL
5DZXL07.1034	CE206	BF6M1013FC	276.2 @2000	150	99.9	774.4 @1700	153	86.6	SPL
5DZXL07.1034	CE210	BF6M1013FC	281.4 @2300	136	104.2	737.5 @1700	145	82.1	SPL
5DZXL07.1034	CE212	BF6M1013FC	284.2 @2300	138	105.7	702.1 @1700	139	78.7	SPL
5DZXL07.1034	CE214	BF6M1013FC	286.9 @2200	144	105.5	737.5 @1700	145	82.1	SPL
5DZXL07.1034	CE216	BF6M1013FC	289.6 @2100	151	105.6	774.4 @1700	153	86.6	SPL
5DZXL07.1034	CE223	BF6M1013FC	299 @2300	146	111.9	737.5 @1700	145	82.1	SPL
5DZXL07.1034	CE235	BF6M1013FC	315.1 @2300	154	118	774.4 @1700	153	85.5	SPL
5DZXL07.1034	CE134/1	TAD720VE	179.6 @2000	97	64.6	536.2 @1500	105	52.4	SPL
5DZXL07.1034	CE146	TAD720VE	195.7 @2100	104	72.7	567.1 @1500	112	55.9	SPL
5DZXL07.1034	CE152	TAD720VE	203.8 @2200	105	76.9	567.1 @1500	112	55.9	SPL
5DZXL07.1034	CE154	TAD720VE	206.5 @2100	110	76.9	598.1 @1500	118	58.9	SPL
5DZXL07.1034	CE157	TAD720VE	210.5 @2300	106	81.2	567.1 @1500	112	55.9	SPL
5DZXL07.1034	CE162	TAD720VE	217.2 @2100	116	81.1	629.8 @1500	124	61.9	SPL

U.R-013-0147

DDI, T, AC

**Engine Model Summary Template**



Engine Family	1 Engine Code	2 Engine Model	3.BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke @ peak torque	8 Fuel Rate: (lb/hr) @ peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE165	TAD720VE	221.2@2300	112	85.8	598.1@1500	118	58.9	SPL DDI, T, AC
5DZXL07.1034	CE169	TAD720VE	226.6@2200	117	85.7	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE174	TAD720VE	233.3@2300	118	90.4	629.8@1500	124	61.9	SPL
5DZXL07.1034	CE165/1	TAD721VE	221.2@2100	118	82.5	626.9@1500	123	61.4	SPL
5DZXL07.1034	CE170	TAD721VE	227.9@2200	116	85	626.9@1500	123	61.4	SPL
5DZXL07.1034	CE176	TAD721VE	236@2300	118	90.4	626.9@1500	123	61.4	SPL
5DZXL07.1034	CE182	TAD721VE	244@2100	130	90.9	668.9@1500	130	64.9	SPL
5DZXL07.1034	CE188	TAD721VE	252.1@2200	130	95.3	668.9@1500	130	64.9	SPL
5DZXL07.1034	CE195	TAD721VE	261.4@2300	131	100.4	668.9@1500	130	64.9	SPL
5DZXL07.1034	CE112	BF4M1013C	156.7@2300	120	61.3	419.6@1400	129	40.1	SPL
5DZXL07.1034	CE109	BF4M1013C	152.7@2300	117	59.7	398.2@1400	124	38.5	SPL
5DZXL07.1034	CE101	BF4M1013C	142@2300	109	55.7	377.6@1400	118	36.7	SPL
5DZXL07.1034	CE96	BF4M1013C	135.3@2300	105	53.6	356.2@1400	112	34.8	SPL
5DZXL07.1034	CE109/1	BF4M1013C	151.9@2200	120	58.6	419.6@1400	129	40.1	SPL
5DZXL07.1034	CE106/1	BF4M1013C	147.8@2200	116	56.7	398.2@1400	124	38.5	SPL
5DZXL07.1034	CE99	BF4M1013C	138.5@2200	109	53.2	377.6@1400	118	36.7	SPL
5DZXL07.1034	CE94/2	BF4M1013C	131.8@2200	105	51.3	356.2@1400	112	34.8	SPL
5DZXL07.1034	CE106/2	BF4M1013C	147.1@2100	120	55.9	419.6@1400	132	41	SPL
5DZXL07.1034	CE102	BF4M1013C	141.7@2100	116	54.1	398.2@1400	124	38.5	SPL
5DZXL07.1034	CE97	BF4M1013C	135@2100	113	52.7	377.6@1400	118	36.7	SPL
5DZXL07.1034	CE92	BF4M1013C	128.3@2100	106	49.4	356.2@1400	112	34.8	SPL
5DZXL07.1034	CE102/1	BF4M1013C	141.1@2000	120	53.3	419.6@1400	132	41	SPL
5DZXL07.1034	CE99/2	BF4M1013C	137@2000	118	52.4	398.2@1400	124	38.5	SPL
5DZXL07.1034	CE94/1	BF4M1013C	130.3@2000	111	49.3	377.6@1400	118	36.7	SPL
5DZXL07.1034	CE88	BF4M1013C	122.3@2000	106	47.1	356.2@1400	112	34.8	SPL
5DZXL07.1034	DE97	BF4M1013C	133.2@1800	121	48.3	FIXED	0	0	no
5DZXL07.1034	DE92	BF4M1013C	126.5@1800	125	49.9	FIXED	0	0	no
5DZXL07.1034	DE88	BF4M1013C	121.1@1800	110	43.9	FIXED	0	0	no

U-K-013-0147

### Engine Model Summary Template

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm <sup>3</sup> /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 <sup>3</sup> /stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
5DZXL07.1034	DE103	BF4M1013C	141.5@1846	126	51.6	FIXED	0	0	no
5DZXL07.1034	DE93	BF4M1013C	128.1@1846	113	46.3	FIXED	0	0	no
5DZXL07.1034	DE106	BF4M1013C	146.4@2000	119	52.8	FIXED	0	0	no
5DZXL07.1034	DE96	BF4M1013C	133@2000	108	47.9	FIXED	0	0	no
5DZXL07.1034	DE110	BF4M1013C	154.9@2400	103	54.9	FIXED	0	0	no
5DZXL07.1034	DE100	BF4M1013C	141.5@2400	94	50.1	FIXED	0	0	no
5DZXL07.1034	CE118	BF4M1013EC	158.2@2300	120	61.3	425.5@1400	129	40.1	SPL
5DZXL07.1034	CE115	BF4M1013EC	154.2@2300	117	59.7	404.1@1400	124	38.5	SPL
5DZXL07.1034	CE107	BF4M1013EC	143.4@2300	119	60.8	383.5@1400	118	36.7	SPL
5DZXL07.1034	CE102/2	BF4M1013EC	136.7@2300	105	53.6	362.1@1400	112	34.8	SPL
5DZXL07.1034	CE114	BF4M1013EC	152.8@2200	119	58.1	419.6@1400	129	40.1	SPL
5DZXL07.1034	CE111	BF4M1013EC	148.8@2200	116	56.7	404.1@1400	124	38.5	SPL
5DZXL07.1034	CE104	BF4M1013EC	139.4@2200	108	52.7	377.6@1400	118	36.7	SPL
5DZXL07.1034	CE99/2	BF4M1013EC	132.7@2200	105	51.3	362.1@1400	112	34.8	SPL
5DZXL07.1034	CE110	BF4M1013EC	147.5@2100	121	56.4	425.5@1400	132	41	SPL
5DZXL07.1034	CE106/2	BF4M1013EC	142.1@2100	116	54.1	404.1@1400	124	38.5	SPL
5DZXL07.1034	CE101/1	BF4M1013EC	135.4@2100	111	51.7	383.5@1400	118	36.7	SPL
5DZXL07.1034	CE96/1	BF4M1013EC	128.7@2100	107	49.9	362.1@1400	112	34.8	SPL
5DZXL07.1034	CE106/3	BF4M1013EC	142.1@2000	120	53.3	425.5@1400	132	41	SPL
5DZXL07.1034	CE103	BF4M1013EC	138.1@2000	117	51.9	404.1@1400	124	38.5	SPL
5DZXL07.1034	CE98	BF4M1013EC	131.4@2000	113	50.2	383.5@1400	118	36.7	SPL
5DZXL07.1034	CE92/1	BF4M1013EC	123.3@2000	105	46.6	362.1@1400	111	34.5	SPL
5DZXL07.1034	DE110/1	BF4M1013EC	147.5@1800	138	55.1	FIXED	0	0	no
5DZXL07.1034	DE105	BF4M1013EC	140.8@1800	131	52.3	FIXED	0	0	no
5DZXL07.1034	DE100/1	BF4M1013EC	134.1@1800	125	49.9	FIXED	0	0	no
5DZXL07.1034	DE104	BF4M1013EC	139.4@1846	127	52	FIXED	0	0	no
5DZXL07.1034	DE95	BF4M1013EC	127.3@1846	116	47.5	FIXED	0	0	no
5DZXL07.1034	DE108	BF4M1013EC	144.8@2000	122	54.2	FIXED	0	0	no

W.F.T.C.A.C



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**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3 BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke @ peak torque	8 Fuel Rate: (lb/hr) @ peak torque	9 Emission Control Devices Per SAE J1930
5DZXL07.1034	DE98	BF4M1013EC	131.4@2000	110	48.8	FIXED	0	0	no
5DZXL07.1034	DE113	BF4M1013EC	151.5@2400	106	56.5	FIXED	0	0	no
5DZXL07.1034	DE103/1	BF4M1013EC	138.1@2400	97	51.7	FIXED	0	0	no
5DZXL07.1034	CE125	BF4M1013FC	167.6@2300	129	65.9	464.6@1500	139	46.3	SPL
5DZXL07.1034	CE119	BF4M1013FC	159.5@2300	121	61.8	445.4@1500	135	44.9	SPL
5DZXL07.1034	CE112/1	BF4M1013FC	150.1@2300	114	58.2	426.3@1500	127	42.3	SPL
5DZXL07.1034	CE106/4	BF4M1013FC	142.1@2300	108	55.1	407.1@1500	122	40.6	SPL
5DZXL07.1034	CE129	BF4M1013FC	172.9@2300	134	68.4	510.3@1400	155	48.2	SPL
5DZXL07.1034	CE126	BF4M1013FC	168.9@2300	130	66.4	495.6@1400	147	45.7	SPL
5DZXL07.1034	CE120	BF4M1013FC	160.9@2300	124	63.3	475.7@1400	141	43.8	SPL
5DZXL07.1034	CE113	BF4M1013FC	151.5@2300	116	59.2	455@1400	134	41.6	SPL
5DZXL07.1034	CE123	BF4M1013FC	164.9@2200	131	64	464.6@1500	139	46.3	SPL
5DZXL07.1034	CE117	BF4M1013FC	156.8@2200	121	59.1	445.4@1500	135	44.9	SPL
5DZXL07.1034	CE111/1	BF4M1013FC	148.8@2200	116	56.7	426.3@1500	127	42.3	SPL
5DZXL07.1034	CE105	BF4M1013FC	140.8@2200	110	53.7	407.1@1500	122	40.6	SPL
5DZXL07.1034	CE129/1	BF4M1013FC	172.9@2200	138	67.4	516.2@1400	152	47.9	SPL
5DZXL07.1034	CE125/1	BF4M1013FC	167.6@2200	133	65	495.6@1400	147	45.7	SPL
5DZXL07.1034	CE119/1	BF4M1013FC	159.5@2200	126	61.5	475.7@1400	141	43.8	SPL
5DZXL07.1034	CE112/2	BF4M1013FC	150.1@2200	109	53.2	455@1400	134	41.6	SPL
5DZXL07.1034	CE120/1	BF4M1013FC	160.9@2100	131	61.1	464.6@1500	142	47.3	SPL
5DZXL07.1034	CE113/1	BF4M1013FC	151.5@2100	123	57.3	445.4@1500	136	45.3	SPL
5DZXL07.1034	CE109/2	BF4M1013FC	146.1@2100	118	55	426.3@1500	130	43.3	SPL
5DZXL07.1034	CE103/1	BF4M1013FC	138.1@2100	113	52.7	407.1@1500	124	41.3	SPL
5DZXL07.1034	CE129/2	BF4M1013FC	172.9@2100	142	66.2	516.2@1400	152	47.9	SPL
5DZXL07.1034	CE124	BF4M1013FC	166.2@2100	137	63.9	495.6@1400	147	45.7	SPL
5DZXL07.1034	CE118/1	BF4M1013FC	158.2@2100	129	60.1	475.7@1400	143	44.4	SPL
5DZXL07.1034	CE111/2	BF4M1013FC	148.8@2100	122	56.9	455@1400	134	41.6	SPL
5DZXL07.1034	CE117/1	BF4M1013FC	156.8@2000	132	58.6	464.6@1500	142	47.3	SPL

DDI, TS, CAC

**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3 BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (bbeh/r) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8 Fuel Rate: (lbsh/r)@peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE112/3	BF4M1013FC	150.1@2000	128	56.8	445.4@1500	136	45.3	SPL
5DZXL07.1034	CE107/1	BF4M1013FC	143.4@2000	120	53.3	426.3@1500	130	43.3	SPL
5DZXL07.1034	CE101/2	BF4M1013FC	135.4@2000	115	51.1	407.1@1500	124	41.3	SPL
5DZXL07.1034	CE128	BF4M1013FC	171.5@2000	146	64.8	516.2@1400	152	47.9	SPL
5DZXL07.1034	CE122	BF4M1013FC	163.6@2000	140	62.2	495.6@1400	147	45.7	SPL
5DZXL07.1034	CE116	BF4M1013FC	155.5@2000	132	58.6	475.7@1400	141	43.8	SPL
5DZXL07.1034	CE110/1	BF4M1013FC	147.5@2000	125	55.5	455@1400	134	41.6	SPL
5DZXL07.1034	DE119	BF4M1013FC	159.5@2400	112	59.7	FIXED	0	0	no
5DZXL07.1034	DE108/1	BF4M1013FC	144.8@2400	101	53.8	FIXED	0	0	no
5DZXL07.1034	DE117	BF4M1013FC	156.8@2000	132	58.6	FIXED	0	0	no
5DZXL07.1034	DE106/1	BF4M1013FC	142.1@2000	119	52.8	FIXED	0	0	no
5DZXL07.1034	DE122	BF4M1013FC	163.6@1846	149	61.1	FIXED	0	0	no
5DZXL07.1034	DE111	BF4M1013FC	148.8@1846	135	56.3	FIXED	0	0	no
5DZXL07.1034	CE86	BF4M1013EC	115.3@1800	107	42.7	387.2@1400	123	38.2	SPL
5DZXL07.1034	CE80	BF4M1013EC	107.2@1800	100	39.9	368.7@1400	118	36.7	SPL
5DZXL07.1034	DE110/1	TAD520GE	147.5@1800	138	55.1	FIXED	0	0	no
5DZXL07.1034	CE118	TAD520VE	158.2@2300	121	61.8	425.5@1400	129	40.1	SPL
5DZXL07.1034	CE107	TAD520VE	143.4@2300	112	57.2	383.5@1400	118	36.7	SPL
5DZXL07.1034	CE114	TAD520VE	152.8@2200	119	58.1	419.6@1400	129	40.1	SPL
5DZXL07.1034	CE110	TAD520VE	147.5@2100	120	55.9	425.5@1400	131	40.7	SPL
5DZXL07.1034	CE107/1	TAD520VE	135.4@2100	111	51.7	383.5@1400	117	36.3	SPL
5DZXL07.1034	CE139	BF6M1013EC	186.3@2200	96	70.3	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE104	TAD520VE	139.4@2200	108	52.7	377.6@1400	118	36.7	SPL
5DZXL07.1034	CE129	BF6M1013C	178.3@2300	94	72	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE176	TAD722VE	236@2100	128	88.1	713.2@1500	140	69.9	SPL
5DZXL07.1034	CE176/1	TAD722VE	236@2100	127	88.8	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE178	TAD722VE	238.6@2200	123	90.1	713.2@1500	139	69.4	SPL
5DZXL07.1034	CE178/1	TAD722VE	238.6@2200	124	90.9	713.2@1400	137	63.9	SPL

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**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3 BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (bsh/hr) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke @ peak torque	8 Fuel Rate: (lbs/hr) @ peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE161/2	BF6M1013CP	222.6@2300	111	85	578.2@1500	114	56.9	SPL
5DZXL07.1034	CE161/3	BF6M1013CP	223.9@2100	119	83.2	632@1500	125	62.4	SPL
5DZXL07.1034	CE169	BF6M1013CP	234.9@2100	124	86.7	666.7@1500	131	65.4	SPL
5DZXL07.1034	CE171	BF6M1013CP	236@2300	118	90.4	612.1@1500	121	60.4	SPL
5DZXL07.1034	CE166/2	BF6M1013CP	230.6@2200	120	87.9	612.1@1500	121	60.4	SPL
5DZXL07.1034	CE175/2	BF6M1013CP	242.1@2200	123	90.1	646.8@1500	128	63.9	SPL
5DZXL07.1034	CE181	BF6M1013CP	249.4@2300	125	95.8	646.8@1500	128	63.9	SPL
5DZXL07.1034	CE112/1	BF4M1013C	152.7@2300	117	59.7	401.2@1400	122	37.9	SPL
5DZXL07.1034	CE104	BF4M1013C	142@2300	110	56.2	380.5@1400	117	36.3	SPL
5DZXL07.1034	CE99/1	BF4M1013C	135.3@2300	105	53.6	359.1@1400	113	35.1	SPL
5DZXL07.1034	CE108	BF4M1013C	147@2200	116	56.7	401.2@1400	122	37.9	SPL
5DZXL07.1034	CE101/1	BF4M1013C	137.6@2200	109	53.2	380.5@1400	117	36.3	SPL
5DZXL07.1034	CE96/2	BF4M1013C	130.9@2200	103	50.3	359.1@1400	113	35.1	SPL
5DZXL07.1034	CE104/1	BF4M1013C	141.4@2100	115	53.6	401.2@1400	123	38.2	SPL
5DZXL07.1034	CE99/3	BF4M1013C	134.6@2100	110	51.3	380.5@1400	117	36.3	SPL
5DZXL07.1034	CE94	BF4M1013C	127.9@2100	105	48.9	359.1@1400	110	34.2	SPL
5DZXL07.1034	CE101/2	BF4M1013C	137.1@2000	116	51.5	401.2@1400	123	38.2	SPL
5DZXL07.1034	CE96/1	BF4M1013C	130.4@2000	111	49.3	380.5@1400	117	36.3	SPL
5DZXL07.1034	CE90	BF4M1013C	122.3@2000	105	46.6	359.1@1400	110	34.2	SPL
5DZXL07.1034	CE95	BF4M1013EC	127.3@2300	99	50.5	362.1@1400	112	34.8	SPL
5DZXL07.1034	CE86/1	BF4M1013EC	115.3@2300	91	46.5	362.1@1400	112	34.8	SPL
5DZXL07.1034	CE88	BF4M1013EC	118@2200	94	45.9	362.1@1400	112	34.8	SPL
5DZXL07.1034	CE86/2	BF4M1013EC	115.3@2000	98	43.5	362.1@1400	111	34.5	SPL
5DZXL07.1034	CE93	BF4M1013C	127.2@2300	100	51.1	329.6@1400	103	32	SPL
5DZXL07.1034	CE84	BF4M1013C	115.1@2300	91	46.5	329.6@1400	103	32	SPL
5DZXL07.1034	CE86	BF4M1013C	117.6@2200	94	45.9	329.6@1400	103	32	SPL
5DZXL07.1034	CE137	BF6M1013EC	183.7@2300	96	73.5	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE129	BF6M1013EC	172.9@2300	90	68.9	534.7@1500	105	52.4	SPL

DDT, CAC

U-R-013-0147

**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3 BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (bshp) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8 Fuel Rate: (lbs/hr)@peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE129/1	BF6M1013EC	172.9@2200	92	67.4	536.2@1500	105	52.4	SPL DDJ, TS, AC
5DZXL07.1034	CE129/2	BF6M1013EC	172.9@2100	94	65.7	536.2@1500	105	52.4	SPL
5DZXL07.1034	CE125	BF6M1013EC	167.6@2000	93	61.9	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE137	BF6M1013C	189@2300	98	75.1	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE122/1	BF6M1013C	168.9@2300	88	67.4	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE125	BF6M1013C	171.6@2200	91	66.7	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE126	BF6M1013C	172.9@2100	94	65.7	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE110	BF6M1013C	151.5@2100	84	58.7	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE122	BF6M1013C	167.6@2000	93	61.9	536.2@1500	105	52.4	SPL
5DZXL07.1034	DE163	TAD720GE	218.5@1800	120	71.9	FIXED	0	0	SPL
5DZXL07.1034	DE163	BF6M1013EC	218.5@1800	130	77.9	FIXED	0	0	SPL
5DZXL07.1034	DE197	BF6M1013FC	264.1@1800	158	94.7	FIXED	0	0	SPL
5DZXL07.1034	CE110T	BF6M1013EC	147.7@2300	77	59	407.1@1500	83	41.4	SPL
5DZXL07.1034	CE121T	BF6M1013EC	161.9@2300	84	64.3	438.8@1600	90	47.9	SPL
5DZXL07.1034	CE128T	BF6M1013EC	171.1@2300	88	67.4	474.2@1650	97	53.3	SPL
5DZXL07.1034	CE198T	BF6M1013FC	265.5@2350	134	104.9	774.4@1550	153	80	SPL
5DZXL07.1034	CE184T	BF6M1013FC	246.4@2350	122	95.5	713.9@1450	141	68.1	SPL
5DZXL07.1034	CE170T	BF6M1013FC	226.7@2300	116	88.9	656.4@1350	143	64.3	SPL
5DZXL07.1034	CE134T	BF6M1013EC	179.4@2350	92	72	570.8@1250	94	39.1	SPL
5DZXL07.1034	CE129T	BF6M1013EC	172.8@2350	89	69.7	483.1@1450	98	47.3	SPL
5DZXL07.1034	CE122T	BF6M1013EC	163.1@2350	84	65.7	449.1@1400	91	42.4	SPL
5DZXL07.1034	CE147T2	BF6M1013EC	210@2350	106	83	616.6@1500	123	61.4	SPL
5DZXL07.1034	CE135T	BF6M1013EC	194.3@2350	98	76.7	584.8@1500	115	57.4	SPL
5DZXL07.1034	CE190/3	BF6M1013CP	261.4@2300	131	100.4	654.2@1500	130	64.9	SPL
5DZXL07.1034	CE92	D5DEBE2	123.3@1900	108	45.5	409.3@1400	126	39.1	SPL
5DZXL07.1034	CE92/2	BF4M1013EC	123.3@1900	110	46.4	409.3@1400	131	40.7	SPL
5DZXL07.1034	CE90	BF4M1013EC	120.6@1800	112	44.7	409.3@1400	118	36.7	SPL
5DZXL07.1034	CE93	BF4M1013EC	124.7@2000	108	47.9	409.3@1400	131	40.7	SPL



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**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3 BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (lb/hr) @ peak HP (for diesel only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke @ peak torque	8 Fuel Rate: (lbs/hr) @ peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE94	BF4M1013EC	125@2100	104	48.5	409.3@1400	131	40.7	SPL
5DZXL07.1034	CE87	BF4M1013EC	115.6@1900	105	44.3	387.2@1400	123	38.2	SPL
5DZXL07.1034	CE88	BF4M1013EC	118@2000	102	45.3	387.2@1400	123	38.2	SPL
5DZXL07.1034	CE89	BF4M1013EC	119.3@2100	100	46.6	387.2@1400	123	38.2	SPL
5DZXL07.1034	CE82	BF4M1013EC	109.9@1900	99	41.7	368.7@1400	118	36.7	SPL
5DZXL07.1034	CE83	BF4M1013EC	111.3@2000	97	43.1	368.7@1400	118	36.7	SPL
5DZXL07.1034	CE84	BF4M1013EC	112.6@2100	94	43.8	368.7@1400	118	36.7	SPL
5DZXL07.1034	DE174	BF6M1013EC	233.3@1800	139	83.3	FIXED	0	0	SPL
5DZXL07.1034	DE190	BF6M1013FC	254.7@1800	150	89.9	FIXED	0	0	SPL
5DZXL07.1034	DE122/1	BF4M1013FC	163.6@1800	146	58.3	FIXED	0	0	SPL
5DZXL07.1034	DE120	BF4M1013EC	160.9@1800	144	57.5	FIXED	0	0	SPL
5DZXL07.1034	DE143	BF6M1013C	198.4@1800	119	71.3	FIXED	0	0	SPL
5DZXL07.1034	DE160	BF6M1013CP	221.2@1800	132	79.1	FIXED	0	0	SPL
5DZXL07.1034	CE154	D7DDAE2	206.5@2100	110	76.9	598.1@1500	118	58.9	SPL
5DZXL07.1034	CE223	TAD722VE	299@2300	148	111.9	737.5@1700	145	82.1	SPL
5DZXL07.1034	CE220	TAD722VE	295@2200	152	111.4	774.4@1700	151	85.5	SPL
5DZXL07.1034	CE220	BF6M1013FC	295@2200	152	111.4	774.4@1700	151	85.5	SPL
5DZXL07.1034	CE129	D7DDBE2	172.9@2100	94	65.7	536.2@1500	105	52.4	SPL
5DZXL07.1034	CE176/2	TAD722VE	236@2100	127	88.8	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE178/2	TAD722VE	238.6@2200	124	90.9	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE180/3	TAD722VE	241.3@2300	126	96.5	713.2@1400	137	63.9	SPL
5DZXL07.1034	CE197/2	TAD722VE	260.1@2100	141	98.6	774.4@1400	149	69.5	SPL
5DZXL07.1034	CE200/2	TAD722VE	264.1@2200	136	99.7	774.4@1400	147	68.5	SPL
5DZXL07.1034	CE111/1	BF4M1013EC	148.8@2200	116	56.7	419.6@1400	129	40.1	SPL
5DZXL07.1034	DE197/1	BF6M1013FC	264.1@1846	154	94.7	FIXED	0	0	SPL
5DZXL07.1034	DE223	BF6M1013FC	299@2400	160	127.9	FIXED	0	0	SPL
5DZXL07.1034	DE206/1	BF6M1013FC	276.2@2000	150	99.9	FIXED	0	0	SPL

WTR/CAC

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**Engine Model Summary Template**

Engine Family	1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5.Fuel Rate: (bushr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8.Fuel Rate: (lbshr)@peak torque	9.Emission Control Device Per SAE J1930
5DZXL07.1034	DE224	BF6M1013FC	301.5@1800	172	103.1	FIXED	0	0	SPL <i>DDFLC/CAC</i>
5DZXL07.1034	DE204	BF6M1013FC	273.5@1800	158	94.7	FIXED	0	0	SPL
5DZXL07.1034	CE170/5	BF6M1013ECP	227.9@2400	112	89.5	546.5@1700	105	59.4	SPL
5DZXL07.1034	DE224	TAD722GE	301.5@1800	172	103.1	FIXED	0	0	SPL
5DZXL07.1034	DE204	TAD721GE	273.5@1800	156	93.5	FIXED	0	0	SPL
5DZXL07.1034	CE170	TAD722VE	227.9@2300	119	91.2	682.2@1400	131	61.1	SPL
5DZXL07.1034	CE175/3	BF6M1013ECP	234.6@2000	130	86.6	668.9@1600	0	0	SPL
5DZXL07.1034	CE180	TAD722VE	241.3@2300	126	96.5	774.4@1400	151	70.4	SPL
5DZXL07.1034	CE170/1	TAD722VE	227.9@2300	119	91.2	682.2@1400	131	61.1	SPL
5DZXL07.1034	CE133T	BF6M1013EC	177.8@2350	91.8	71.9	486.7@1350	0	0	no

**Engine Model Summary Template**

Engine Family	1 Engine Code	2 Engine Model	3 BHP@RPM (SAE Gross)	4 Fuel Rate: mm <sup>3</sup> /stroke @ peak HP (for diesel only)	5 Fuel Rate: (lb/hr) @ peak HP (for diesels only)	6 Torque @ RPM (SEA Gross)	7 Fuel Rate: mm <sup>3</sup> /stroke@peak torque	8 Fuel Rate: (lb/hr)@peak torque	9 Emission Control Device Per SAE J1930
5DZXL07.1034	CE180/1	TAD722VE	241.3@2300	126	96.5	713.2@1400	137	63.9	SPL <b>DFI TC, AC</b>
5DZXL07.1034	CE180/2	TAD722VE	241.3@2300	122	93.5	713.2@1500	139	69.4	SPL
5DZXL07.1034	CE194	TAD722VE	260.1@2100	138	96.5	774.4@1500	153	76.9	SPL
5DZXL07.1034	CE194/1	TAD722VE	260.1@2100	141	98.6	774.4@1400	149	69.5	SPL
5DZXL07.1034	CE195	TAD722VE	261.4@2100	140	97.9	702.1@1700	141	79.8	SPL
5DZXL07.1034	CE197	TAD722VE	264.1@2200	135	98.9	774.4@1500	153	76.4	SPL
5DZXL07.1034	CE197/1	TAD722VE	264.1@2200	136	99.7	774.4@1400	147	68.5	SPL
5DZXL07.1034	CE200	TAD722VE	268.2@2300	135	103.4	774.4@1500	153	76.4	SPL
5DZXL07.1034	CE200/1	TAD722VE	268.2@2300	137	105	774.4@1400	147	68.5	SPL
5DZXL07.1034	CE203/1	TAD722VE	272.2@2200	138	101.1	702.1@1700	139	78.7	SPL
5DZXL07.1034	CE212	TAD722VE	284.2@2300	138	105.7	702.1@1700	139	78.7	SPL
5DZXL07.1034	CE226	TAD722VE	303@2200	152	111.4	774.4@1700	151	85.5	SPL
5DZXL07.1034	CE216	TAD722VE	289.5@2100	151	105.6	774.4@1700	153	86.6	SPL
5DZXL07.1034	CE135	BF6M1013C	185@2100	99	69.2	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE140	BF6M1013C	191.7@2200	99	72.5	534.7@1500	105	52.4	SPL
5DZXL07.1034	CE139/1	BF6M1013C	190.4@2000	103	68.6	556.8@1500	112	55.9	SPL
5DZXL07.1034	CE143/2	BF6M1013C	195.7@2100	104	72.7	565.7@1500	112	55.9	SPL
5DZXL07.1034	CE146/1	BF6M1013C	199.8@2000	108	71.9	596.6@1500	118	58.9	SPL
5DZXL07.1034	CE148/3	BF6M1013C	202.4@2200	104	76.2	565.7@1500	112	55.9	SPL
5DZXL07.1034	CE151/3	BF6M1013C	206.5@2100	110	76.9	596.6@1500	118	58.9	SPL
5DZXL07.1034	CE156/3	BF6M1013C	213.2@2200	118	86.5	596.6@1500	118	58.9	SPL
5DZXL07.1034	CE144/1	BF6M1013C	191.7@2300	100	76.6	536.2@1500	105	52.4	SPL
5DZXL07.1034	CE153	BF6M1013C	210.5@2300	106	81.2	565.7@1500	112	55.9	SPL
5DZXL07.1034	CE161/1	BF6M1013C	221.2@2300	112	85.8	596.6@1500	118	58.9	SPL
5DZXL07.1034	CE147	BF6M1013CP	201.1@2000	112	74.6	619.5@1500	118	58.9	SPL
5DZXL07.1034	CE155/1	BF6M1013CP	211.8@2000	118	78.6	632@1500	125	62.4	SPL
5DZXL07.1034	CE163	BF6M1013CP	222.6@2000	124	82.6	666.7@1500	132	65.9	SPL
5DZXL07.1034	CE151/A	BF6M1013CP	210.5@2100	111	77.6	597.4@1500	118	58.9	SPL