

DIACOM MARINE SERVICE REPORT

07/26/2017 11:07:55

1. VEHICLE CONFIGURATION

Cust. Name: XXXXXXXXXXXX
Engine Make: Volvo Penta
Engine Serial No: XXXXXXXXXXXX
Model Year: 2013
System Type: Volvo EGC CAN EVC 4G Engine Data

2. PERFORMANCE DATA

<u>Parameter Description</u>	<u>Value</u>	<u>Unit</u>
Engine Speed.....	643	RPM
Battery Voltage.....	13.89	VDC
Engine Speed Target.....	650	RPM
Ignition Switch Voltage.....	13.92	VDC
Desired Idle Speed.....	650	RPM
5V Sensor Reference 1.....	5.01	VDC
Throttle Input Mode.....	Network Speed	
5V Sensor Reference 3.....	5.01	VDC
Helm Lever Position.....	0.0	%
Engine Start Request.....	Disengaged	
TPS Commanded.....	6.5	%
Engine Stop Request.....	Inactive	
TPS Actual.....	6.6	%
Requested Transmission Gear.....	Forward	
TPS 1 Voltage.....	3.88	VDC
Current Transmission Gear.....	Forward	
TPS 2 Voltage.....	1.03	VDC
Malfunction Indicator Lamp.....	OFF	
TPS 1 Position.....	6.6	%
Engine Derate 1.....	OFF	
TPS 2 Position.....	11.0	%
Engine Derate 2.....	OFF	
Spark Advance.....	0.5	DEG
Low Rev Limit Status.....	Inactive	
Base Spark Advance.....	0.0	DEG
Forced Idle.....	Inactive	
CAM Retard Actual.....	7.6	DEG
Engine Run State.....	Running	
CAM Retard Desired.....	7.0	DEG
Engine Operating Hours.....	96.24	hrs
Cam Phaser Duty Cycle Command.....	42.91	%
Engine Run Timer.....	12.73	Min
Engine Load.....	23.3	%
KS 1 Volts.....	0.00	Volts
Torque.....	28.95	ft-lb
KS 2 Volts.....	0.00	Volts
Barometric Pressure.....	30.31	inHg
Knock Retard.....	0.0	DEG

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Manifold Pressure..... 12.70 inHg
Knock Intensity..... 0.0 %
MAP Sensor Voltage..... 1.69 VDC
Fuel Flow Rate (Calc)..... 0.83 GPH
Injector Pulse Width..... 2.4 ms
Oil Pressure Sensor Voltage..... 1.50 VDC
ECT Sensor Volts..... 0.94 VDC
Oil Pressure..... 34.59 PSI
ECT Temperature..... 156 °F
Oil Pressure Status..... OK
IAT Volts..... 1.39 VDC
Intake Air Temperature..... 122 °F

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3. TROUBLE CODE STATUS

Current ECM Codes

Active Trouble Codes: 0

Previously Active Trouble Codes: 0

Pending Trouble Codes: 0

*** End of Trouble Code Data ***

4. SYSTEM INFORMATION

Customer configuration Information:

XXXXXXXXXXXX

Customer Software Number: 22219492

ECM Software and Hardware Information:

XXXXXXXXXXXX

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ECM Software Number: 2336011-A
Current CAL Model: 2221949-3
Current CAL Date: 2013/6/17
Total Calibration CS: 77466C75
Emissions Calibration CS: 0C3BFBAE
Total Number of Cylinders: 8
Engine Displacement: 6.0
Cylinder Firing Order: 1-8-7-2-6-5-4-3

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Engine Operating Hour Summary (RPM vs MAP psia)

RPM\MAP	4.0	6.0	8.0	10.0	12.0	15.0	TOTALS
700	0.21	45.70	0.94	0.02	0.01	0.02	46.90
1800	0.26	9.07	7.40	0.15	0.01	0.00	16.89

2500	0.06	0.29	5.42	5.66	0.51	0.03	11.97
3500	0.03	0.13	5.85	4.09	0.43	0.15	10.68
4500	0.00	0.01	0.75	5.94	0.87	0.16	7.74
5600	0.00	0.00	0.00	0.02	0.73	0.00	0.75

Total Histogram Hours = 94.93

Engine Knock Hour Summary (RPM vs MAP psia)

RPM\MAP	9.0	10.5	11.5	12.5	13.5	14.5	TOTALS
2400	0.00	0.00	0.00	0.00	0.00	0.02	0.02
3000	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3800	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4600	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5200	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5650	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Total Histogram Hours = 0.02

Miscellaneous Information

Master/Slave Configuration : Master
 Total Engine Starts : 269

GASOLINE ADAPTIVE LEARN TABLE (BANK 1)

RPM/MAP	5.00	6.00	8.00	10.00	12.00	13.00	14.00	15.00
700	0.23	-3.59	-0.94	0.00	0.00	0.00	0.00	0.00
2400	0.00	-1.89	-0.42	0.00	0.00	0.00	0.00	0.00
3600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

GASOLINE ADAPTIVE LEARN TABLE (BANK 2)

RPM/MAP	5.00	6.00	8.00	10.00	12.00	13.00	14.00	15.00
700	0.38	-3.68	-1.78	0.00	0.00	0.00	0.00	0.00
2400	0.00	-2.74	-1.18	0.00	0.00	0.00	0.00	0.00
3600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4800	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5600	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

CYLINDER MISFIRE COUNTS

Cylinder #1 Misfire Count = 61
Cylinder #2 Misfire Count = 26
Cylinder #3 Misfire Count = 0
Cylinder #4 Misfire Count = 19
Cylinder #5 Misfire Count = 0
Cylinder #6 Misfire Count = 10
Cylinder #7 Misfire Count = 22
Cylinder #8 Misfire Count = 21