

DIACOM MARINE SERVICE REPORT

08/23/2013 08:15:18

1. VEHICLE CONFIGURATION

Cust. Name: David Wall
Engine Make: 4.3MPI
Engine Serial No:
Model Year:
System Type: MerCruiser PCM555 Port Engine

2. PERFORMANCE DATA

Parameter Description	Value	Unit
Engine Speed.....	548	RPM
Available Power.....	100	%
Coolant Temperature.....	156.20	°F
Fuel Flow Rate.....	0.64	GPH
Port Exhst Cool Temp.....	32.00	°F
Sea Pump Pressure.....	0.74	PSI
Starb Exhst Cool Temp.....	32.00	°F
IAC Duty Cycle.....	27.85	%
Manifold Absolute Pressure.....	8.52	PSI
Trim Position.....	1023	#
Baro Pressure.....	14.52	PSI
Trim Volts.....	4.99	VDC
Manifold Air Temperature.....	127.40	°F
Pitot ADC.....	0	#
Oil Pressure.....	46.03	PSI
Paddle Wheel.....	0	Hz
Throttle Position.....	0.00	%
Sensor Power.....	5.01	VDC
Throttle Sensor Voltage.....	0.56	VDC
Lake/Sea Temp.....	32.00	°F
Spark Advance.....	2.69	DEG
Fuel Level.....	1023	#
Battery Voltage.....	14.27	VDC

3. TROUBLE CODE STATUS

Current ECM Codes

Sensor Fault, click Read Fault button for details

Misc Fault, click Read Fault button for details

Freeze Frame Data:

0 TRIM CKT HI

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.81	VDC
FF Sea Pump Pressure	0.00	PSI

FF Boat Speed	0.00	#
FF Manifold Air Temp	113.00	°F
FF Coolant Temp	154.40	°F
FF Demand	0.12	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	980	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.52	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.48	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

1 SEA TMP CKT HI

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.79	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	116.60	°F
FF Coolant Temp	154.40	°F
FF Demand	0.12	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	825	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.51	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.48	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

2 BLK PSI L0

FF Baro Pressure	14.46	PSI
FF Battery Volts	14.43	VDC
FF Sea Pump Pressure	0.04	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	127.40	°F
FF Coolant Temp	206.60	°F

FF Demand	4.93	%
FF Engine Speed	528	RPM
FF Engine State	Running	
FF FPC Total	32.0	Counts
FF Frequency Count	1	
FF Fuel Level	0.00	%
FF Gear Position	In Gear	
FF Lake Temp	32.00	°F
FF Engine Load	17.06	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	11.93	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	6	%
FF Run Time	334.12	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	4.93	%
FF Trim Position	0.00	%

3 STEER CKT LO

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.87	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	116.60	°F
FF Coolant Temp	154.40	°F
FF Demand	0.12	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	918	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.52	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.48	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

4 FUEL LVL CKT HI

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.79	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	116.60	°F
FF Coolant Temp	154.40	°F
FF Demand	0.12	%
FF Engine Speed	0	RPM
FF Engine State	Stall	

FF FPC Total	0.0	Counts
FF Frequency Count	808	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.51	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.48	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

5 PITOT CKT LO

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.79	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	116.60	°F
FF Coolant Temp	154.40	°F
FF Demand	0.12	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	808	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.51	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.48	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

6 HORN OUTPUT

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.79	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	116.60	°F
FF Coolant Temp	154.40	°F
FF Demand	0.12	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	879	
FF Fuel Level	0.00	%

FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.51	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.48	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

7 NEUTRAL OVERSPE

FF Baro Pressure	14.50	PSI
FF Battery Volts	14.27	VDC
FF Sea Pump Pressure	9.26	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	109.40	°F
FF Coolant Temp	152.60	°F
FF Demand	23.16	%
FF Engine Speed	3333	RPM
FF Engine State	Running	
FF FPC Total	28.9	Counts
FF Frequency Count	9	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	16.83	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	8.61	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	394.37	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	23.16	%
FF Trim Position	0.00	%

8 ECT OVRHT

FF Baro Pressure	14.46	PSI
FF Battery Volts	11.65	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	123.80	°F
FF Coolant Temp	194.00	°F
FF Demand	0.12	%
FF Engine Speed	310	RPM
FF Engine State	Running	
FF FPC Total	27.2	Counts
FF Frequency Count	1	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	13.31	%

FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	12.36	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	57	%
FF Run Time	334.13	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

9 BAT VOLTS LO

FF Baro Pressure	14.52	PSI
FF Battery Volts	9.85	VDC
FF Sea Pump Pressure	0.58	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	143.60	°F
FF Coolant Temp	154.40	°F
FF Demand	0.00	%
FF Engine Speed	529	RPM
FF Engine State	Running	
FF FPC Total	19.6	Counts
FF Frequency Count	0	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	6.84	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	8.73	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	53	%
FF Run Time	394.12	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

Fault Log Data

Fault Descriptions	Seconds
--------------------	---------

Battery Range High:	0
Battery Range Low:	41
Block Pressure is Low:	36
Compressor Temp Overheat:	0
ETC Motor Open:	0
ETC Motor Short:	0
Fuel Pressure Sensor Input High:	0
Fuel Pressure Sensor Input Low:	0
Guardian Strategy:	78
Knock Sensor 1:	0
Knock Sensor 2:	0
Low Oil Pressure Strategy:	0
Low Oil Remote Strategy:	0
Low Oil Reserve Strategy:	0
MAP Sensor 1 Input High:	0
MAP Sensor 1 Input Low:	0
MAP Sensor 1 Idle Rational:	0

Oil Pump Output:	0
Overspeed:	6
Port Clnt Overheat:	0
Starboard Clnt Overheat:	278
Warning Horn Output:	65535
Water In Fuel:	0

Engine Run Time History:

Total engine run time:	394.53	Hours
0 - 749 RPM:	173.50	Hours
750 - 1499 RPM:	71.87	Hours
1500 - 2999 RPM:	146.67	Hours
3000 - 3499 RPM:	2.30	Hours
3500 - 3999 RPM:	0.12	Hours
4000 - 4499 RPM:	0.08	Hours
4500 - 4999 RPM:	0.00	Hours
5000 - 5499 RPM:	0.00	Hours
Over 5499 RPM:	0.00	Hours