

DIACOM MARINE SERVICE REPORT

05/02/2021 13:21:51

1. VEHICLE CONFIGURATION

Cust. Name:
Engine Make:
Engine Serial No:
Model Year:
System Type: MerCruiser PCM555

2. PERFORMANCE DATA

<u>Parameter Description</u>	<u>Value</u>	<u>Unit</u>
Engine Speed.....	0	RPM
Available Power.....	100	%
Coolant Temperature.....	71.60	°F
Fuel Flow Rate.....	0.00	GPH
Port Exhst Cool Temp.....	32.00	°F
Sea Pump Pressure.....	0.00	PSI
Starb Exhst Cool Temp.....	32.00	°F
IAC Duty Cycle.....	0.00	%
Manifold Absolute Pressure.....	14.35	PSI
Trim Position.....	1023	#
Baro Pressure.....	14.34	PSI
Trim Volts.....	4.99	VDC
Manifold Air Temperature.....	73.40	°F
Pitot ADC.....	26	#
Oil Pressure.....	90.86	PSI
Paddle Wheel.....	0	Hz
Throttle Position.....	0.00	%
Sensor Power.....	5.01	VDC
Throttle Sensor Voltage.....	0.57	VDC
Lake/Sea Temp.....	429.80	°F
Spark Advance.....	8.00	DEG
Fuel Level.....	214	#
Battery Voltage.....	12.22	VDC

3. TROUBLE CODE STATUS

Current ECM Codes

Sensor Fault, click Read Fault button for details

Freeze Frame Data:

0 EST1 OPEN

FF Baro Pressure	14.45	PSI
FF Battery Volts	11.79	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#

FF Manifold Air Temp	66.20	°F
FF Coolant Temp	71.60	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	5	
FF Fuel Level	87.03	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.45	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	351.85	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

1 TRIM CKT HI

FF Baro Pressure	14.41	PSI
FF Battery Volts	12.03	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	66.20	°F
FF Coolant Temp	71.60	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	945	
FF Fuel Level	87.03	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.34	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	352.00	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

2 OIL PSI CKT HI

FF Baro Pressure	14.34	PSI
FF Battery Volts	11.95	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	68.00	°F
FF Coolant Temp	71.60	°F
FF Demand	0.00	%

FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	18	
FF Fuel Level	87.03	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.34	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	352.00	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

3 MAT CKT HI

FF Baro Pressure	15.23	PSI
FF Battery Volts	11.82	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	32.00	°F
FF Coolant Temp	60.80	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	2	
FF Fuel Level	86.03	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	15.23	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	351.83	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

4 FUELPUMP RLY CK

FF Baro Pressure	14.25	PSI
FF Battery Volts	12.36	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	68.00	°F
FF Coolant Temp	68.00	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts

FF Frequency Count	4	
FF Fuel Level	86.28	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.27	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	351.85	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

5 LOW OIL PSI STR

FF Baro Pressure	14.36	PSI
FF Battery Volts	13.68	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	68.00	°F
FF Coolant Temp	114.80	°F
FF Demand	0.12	%
FF Engine Speed	663	RPM
FF Engine State	Running	
FF FPC Total	0.0	Counts
FF Frequency Count	841	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	6.12	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	7.39	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	0	%
FF Run Time	351.83	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

6 NEUTRAL OVERSPE

FF Baro Pressure	14.36	PSI
FF Battery Volts	13.79	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	68.00	°F
FF Coolant Temp	116.60	°F
FF Demand	0.12	%
FF Engine Speed	662	RPM
FF Engine State	Running	
FF FPC Total	0.0	Counts
FF Frequency Count	3823	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	

FF Lake Temp	429.80	°F
FF Engine Load	5.73	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	7.23	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	0	%
FF Run Time	351.83	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.12	%
FF Trim Position	0.00	%

7 FUEL LVL CKT HI

FF Baro Pressure	14.52	PSI
FF Battery Volts	12.09	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	59.00	°F
FF Coolant Temp	62.60	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	645	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°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	351.83	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

8 ECT TMP CKT HI

FF Baro Pressure	14.48	PSI
FF Battery Volts	12.06	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	62.60	°F
FF Coolant Temp	-58.00	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	7	
FF Fuel Level	87.03	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	

FF Manifold Air Pressure	14.48	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	351.85	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	0.00	%

9 PITOT CKT LO

FF Baro Pressure	14.45	PSI
FF Battery Volts	12.25	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	66.20	°F
FF Coolant Temp	69.80	°F
FF Demand	0.00	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	8	
FF Fuel Level	86.03	%
FF Gear Position	Neutral	
FF Lake Temp	429.80	°F
FF Engine Load	0.00	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.45	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	351.85	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:	0
Block Pressure is Low:	13
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:	16890
Knock Sensor 1:	0
Knock Sensor 2:	0
Low Oil Pressure Strategy:	14560
Low Oil Remote Strategy:	0
Low Oil Reserve Strategy:	0
MAP Sensor 1 Input High:	0
MAP Sensor 1 Input Low:	3
MAP Sensor 1 Idle Rational:	0
Oil Pump Output:	0

Overspeed:	2698
Port Clnt Overheat:	0
Starboard Clnt Overheat:	56
Warning Horn Output:	828
Water In Fuel:	0

Engine Run Time History:

Total engine run time:	352.00	Hours
0 - 749 RPM:	88.63	Hours
750 - 1499 RPM:	120.62	Hours
1500 - 2999 RPM:	58.10	Hours
3000 - 3499 RPM:	39.23	Hours
3500 - 3999 RPM:	25.83	Hours
4000 - 4499 RPM:	13.50	Hours
4500 - 4999 RPM:	5.95	Hours
5000 - 5499 RPM:	0.13	Hours
Over 5499 RPM:	0.00	Hours