

DIACOM MARINE SERVICE REPORT

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1. VEHICLE CONFIGURATION

Cust. Name: Gladding Marine Surveying
Engine Make:
Engine Serial No:
Model Year: 2003
System Type: Mercury Optimax Smartcraft ECM

2. PERFORMANCE DATA

<u>Parameter Description</u>	<u>Value</u>	<u>Unit</u>
Engine Speed.....	586	RPM
Engine Load.....	15.38	%
Throttle Percent.....	0.00	%
Available Power.....	100	%
TPS 1 Voltage.....	1.10	VDC
Demand.....	0.00	%
TPS 2 Voltage.....	0.00	VDC
Power Limit Setpoint.....	100	%
Manifold Absolute Pressure.....	14.16	PSI
Starboard Coolant Temp.....	95.00	°F
Baro Pressure.....	14.75	PSI
Port Coolant Temp.....	96.80	°F
Block Pressure.....	6.20	PSI
Charge Temperature.....	75.20	°F
Battery Voltage.....	13.08	VDC
Air Compressor Temperature.....	87.80	°F
Sensor Power.....	5.01	VDC
Lake/Sea Temp.....	32.00	°F
Sensor Power 2.....	4.99	VDC
Oil Level.....	1021	#
Shift Position.....	Neutral	
Oil Inj Count.....	5	#
Fuel Per Cylinder.....	6.00	mg
Trim Position.....	252	#
Fuel Flow Rate.....	0.49	GPH
Trim Percent.....	23.76	%
Fuel Level.....	1023	#
Paddle Wheel.....	0	Hz
Break-In Left.....	0	Min
Pitot ADC.....	26	#
Guardian Cause.....	Not Specified	

3. TROUBLE CODE STATUS

Current ECM Codes

Sensor Fault, click Read Fault button for details

Trouble Code List:

OIL LVL CKT HI	Code is active
FUEL LVL CKT HI	Code is active
SEA TEMP CKT HI	Code is active

Freeze Frame Data:

0 SEA TEMP CKT HI

FF Baro Pressure	14.79	PSI
FF Battery Volts	12.89	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	78.80	°F
FF Coolant Temp	78.80	°F
FF Demand	0.28	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	547	
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	14.79	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	853.55	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.28	%
FF Trim Position	24.47	%

1 FUEL LVL CKT HI

FF Baro Pressure	14.79	PSI
FF Battery Volts	12.71	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	78.80	°F
FF Coolant Temp	78.80	°F
FF Demand	0.28	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	390	
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	NO	
FF Manifold Air Pressure	14.79	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	853.55	hrs

FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.28	%
FF Trim Position	24.58	%

2 OIL LVL CKT HI

FF Baro Pressure	14.79	PSI
FF Battery Volts	12.71	VDC
FF Sea Pump Pressure	0.00	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	78.80	°F
FF Coolant Temp	78.80	°F
FF Demand	0.28	%
FF Engine Speed	0	RPM
FF Engine State	Stall	
FF FPC Total	0.0	Counts
FF Frequency Count	390	
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	NO	
FF Manifold Air Pressure	14.79	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	853.55	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.28	%
FF Trim Position	24.58	%

3 NEUTRAL OVERSPD

FF Baro Pressure	14.84	PSI
FF Battery Volts	13.95	VDC
FF Sea Pump Pressure	3.76	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	114.80	°F
FF Coolant Temp	125.60	°F
FF Demand	87.18	%
FF Engine Speed	2424	RPM
FF Engine State	Running	
FF FPC Total	27.5	Counts
FF Frequency Count	67	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	28.26	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.35	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	840.03	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	87.18	%
FF Trim Position	24.11	%

4 OVERSPEED 1

FF Baro Pressure	14.79	PSI
FF Battery Volts	13.84	VDC
FF Sea Pump Pressure	4.10	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	107.60	°F
FF Coolant Temp	129.20	°F
FF Demand	79.71	%
FF Engine Speed	2515	RPM
FF Engine State	Running	
FF FPC Total	30.9	Counts
FF Frequency Count	6	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	31.74	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.43	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	785.98	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	79.71	%
FF Trim Position	24.35	%

5 BATT VOLT LO

FF Baro Pressure	14.77	PSI
FF Battery Volts	10.90	VDC
FF Sea Pump Pressure	3.12	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	113.00	°F
FF Coolant Temp	111.20	°F
FF Demand	0.00	%
FF Engine Speed	572	RPM
FF Engine State	Running	
FF FPC Total	6.1	Counts
FF Frequency Count	145	
FF Fuel Level	0.00	%
FF Gear Position	In Gear	
FF Lake Temp	32.00	°F
FF Engine Load	6.08	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.31	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	95	%
FF Run Time	847.62	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	24.23	%

6 WATER IN FUEL

FF Baro Pressure	14.79	PSI
FF Battery Volts	12.92	VDC
FF Sea Pump Pressure	0.81	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	116.60	°F
FF Coolant Temp	120.20	°F
FF Demand	0.14	%
FF Engine Speed	574	RPM
FF Engine State	Running	
FF FPC Total	5.8	Counts
FF Frequency Count	27	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	5.79	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.24	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	798.33	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.14	%
FF Trim Position	24.47	%

7 FINJ4 OPEN

FF Baro Pressure	14.80	PSI
FF Battery Volts	12.44	VDC
FF Sea Pump Pressure	3.58	PSI
FF Boat Speed	0.00	#
FF Manifold Air Temp	78.80	°F
FF Coolant Temp	111.20	°F
FF Demand	0.00	%
FF Engine Speed	525	RPM
FF Engine State	Running	
FF FPC Total	6.1	Counts
FF Frequency Count	0	
FF Fuel Level	0.00	%
FF Gear Position	Neutral	
FF Lake Temp	32.00	°F
FF Engine Load	5.98	%
FF Main Pwr Relay Requests	YES	
FF Manifold Air Pressure	14.25	PSI
FF Oil Level	0.00	%
FF Port Tab Pos	0.00	%
FF Available Power	100	%
FF Run Time	832.92	hrs
FF Starboard Tab Pos	0.00	%
FF TPS Percent	0.00	%
FF Trim Position	45.05	%

8 THERMOSTAT FAUL

FF Baro Pressure	14.73	PSI
FF Battery Volts	11.71	VDC
FF Sea Pump Pressure	2.10	PSI

ETC Motor Short:	0
Fuel Pressure Sensor Input High:	0
Fuel Pressure Sensor Input Low:	0
Guardian Strategy:	82
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:	0
Port Clnt Overheat:	160
Starboard Clnt Overheat:	79
Warning Horn Output:	0
Water In Fuel:	0

Engine Run Time History:

Total Hours:	853.60	Hours
0 to 749:	217.53	Hours
750 to 1499:	320.53	Hours
1500 to 2999:	43.72	Hours
3000 to 3999:	113.20	Hours
4000 to 4499:	129.48	Hours
4500 to 4999:	22.88	Hours
5000 to 5499:	5.68	Hours
5500 to 6249:	0.47	Hours
Over 6250:	0.00	Hours