



Save date & Time	At 16:08 On March 12 2020
Customer Name	Tom Nagy
Dealer Name	Shipyard Island Marina
Application Version	2.32
Database Version	2.32
Number of Engines	1
Protocol	K-LINE

Model Name			
Engine Serial No. (PID #)			
ECM No.	6P28591A10		

1. Engine operating hours according to engine speed

Engine speed			
- 1000 r/min	414.0		
1000 - 2000 r/min	147.9		
2000 - 3000 r/min	14.9		
3000 - 4000 r/min	23.6		
4000 - 5000 r/min	233.3		
5000 - 6000 r/min	0.9		
6000 - 7000 r/min	0.0		
Total operating hours	834		

Comment

250hp Yamaha Starboard Running

2. Record of Engine Oil Exchange

Number			
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

3. Diagnosis

Item				Code
Pulser coil	Normal			13
Engine temperature sensor	Normal			15
Knock sensor	Normal			17
Battery voltage	Normal			19
Air temperature sensor	Normal			23
Cam position sensor (EX)	Normal			24
Shift position switch	Normal			28
Air pressure sensor	Normal			29
Intake air passage	Normal			37
Oil pressure sensor	Normal			39
Engine shut-off switch	OFF			44
Shift cut-off switch	Normal			45
Thermo switch	Normal			46
VCT (S)	Normal			68
VCT (P)	Normal			69
Cam position sensor (S IN)	Normal			71
Cam position sensor (P IN)	Normal			72
OCV (S)	Normal			73
OCV (P)	Normal			74
TPS	Normal			124
TPS	Normal			125
TPS	Normal			126
TPS	Normal			127
TPS	Normal			128
APS	Normal			131
APS	Normal			132
APS	Normal			133
APS	Normal			134
APS	Normal			135
ETV	Normal			112
ETV	Normal			113
ETV	Normal			114
ETV	Normal			115
ETV	Normal			116
ETV	Normal			117
ETV	Normal			118
ETV	Normal			119
ETV	Normal			121
ETV	Normal			122
ETV	Normal			123
ETV	Normal			129
ETV	Normal			136
ETV	Normal			137
ETV	Normal			138
ETV	Normal			139
ETV	Normal			141
ETV	Normal			142
ETV	Normal			143
ETV	Normal			144
ETV	Normal			145

4. Engine Monitor

Monitor Item (DATA)	Unit			
Engine speed	r/min	785		
Intake air pressure	kPa	48.15		
Intake air pressure	inHg	14.33		
TPS1	V	0.732		
Throttle valve opening angle	deg	4.9		
TPS2	V	2.725		
APS1	V	0.576		
APS2	V	0.669		
Atmospheric pressure	hPa	976.2		
Atmospheric pressure	inHg	28.9		
Battery voltage	V	13.93		
Fuel injection duration	ms	5.73		
Ignition timing	deg	ATDC 6		
Engine temperature	°C	28.5		
Engine temperature	°F	83.0		
Intake air temperature	°C	22.0		
Intake air temperature	°F	71.3		
Oil pressure	kPa	589.5		
Oil pressure	psi	86.6		
Intake cam timing (S)	deg	+1.4		
Intake cam timing (P)	deg	-2.7		
Engine shut-off switch		OFF		
Shift position switch		ON		
Multi-engine system		OFF		
Shift cut-off switch		OFF		
Thermo switch		OFF		
Main switch		ON		
Main relay		ON		
ETV relay		ON		
Fuel pump relay		ON		
A/D(CH1)	V	0.00		
A/D(CH2)	V	0.00		
A/D(CH3)	V	0.00		
A/D(CH4)	V	0.00		

