

**DICKSON'S MARINE, INC.**  
**YOUR FIRST CHOICE IN QUALITY SERVICE**

90 COLONIAL DRIVE  
EAST PATCHOGUE, NY 11772

Work Order No: 15844

Phone (631)-475-1445  
Fax (631)-475-0737

10/13/2020 12:13:03 PM  
BY: 206

**Invoice 51144**

Customer Information

3722  
YOUNG, RONALD  
ALRO MACHINE COMP  
585 W. HOFFMAN AVENUE  
LINDENHURST, NY 11757

Vessel Information

Year/Make CAPE DORY  
Model CRUISER  
LOA 33 Hours 196/200  
CG Number  
Serial #  
Vessel  
Warranty / /  
Slip D-33

**SERVICE**

**DEFICIENCIES NOTED:**

- 1.) PORT ENGINE IS NOISY, OIL ANALYSIS SHOULD BE PERFORMED.
- 2.) PORT TRANSMISSION IS NOISY, TWIN ENGINE SHAFT ALIGNMENT SHOULD BE DONE. FLUID CHANGES RECOMMENDED BE DONE TO TWIN TRANSMISSIONS.
- 3.) PORT AND STARBOARD SHAFT LOGS LEAKING WATER WHILE UNDERWAY, AND DRIPPING WHILE AT REST, REPACKING/REPLACEMENT REQUIRED.
- 4.) BRIDGE STATION HARNESS IS DISCONNECTED AND APPEARS TO BE BACK-FEEDING POWER TO LOWER STATION KEY PANEL FOR PORT ENGINE - FURTHER TROUBLESHOOT/REPAIR IS REQUIRED.
- 5.) RECOMMEND STARBOARD ENGINE TEMPERATURE SENDERS BE REPLACED.

===== 1 : PORT SHUT DOWN (T/M) By: 102  
8/17/2020 -- CUSTOMER ADVISES THE PORT ENGINE WILL NOT SHUT DOWN FROM KEY.

-- CHECK, FOUND THE WIRE OFF OF THE STOP SOLENOID. ATTACH WIRE AND TEST- OPERATING PROPERLY AT THIS TIME.

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===== 3 : H/C/L (J/F) By: 206  
HAUL BOAT FOR SERVICE, BLOCK DOWN, AND RELAUNCH.  
Material: 495.00

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===== 4 : TWIN ENGINE'S (T/M) By: 206  
8/17/2020 -- CUSTOMER ADVISES THE ENGINES ARE RUNNING HOT, SLOW TO PLANE, AND STARBOARD IS LEAVING BLACK SOOT ON TRANSOM. CHECK AND ADVISE.

-- FOUND THE TURBO'S FILLED WITH CORROSION AND SOOT, PORT TURBO HARD TO SPIN, STARBOARD OUT OF SPEC. AFTERCOOLERS ARE FULLY CORRODED, AND HAVE NOT BEEN APART IN SOME TIME. BOTH COOLER HOUSINGS HAVE CORROSION INSIDE, ONE BUNDLE IS COMPLETELY CORRODED, PORT BUNDLE IS NOT FAR BEHIND. REPLACE TWIN TURBOS, EXHAUST ELBOWS, AFTERCOOLER BUNDLES AND HOUSINGS. REMOVE INJECTORS AND SEND OUT FOR SERVICE. 10 OUT OF 12 FAILED TEST, REBUILD ALL 12 INJECTORS. REINSTALL, LAUNCH BOAT AND SEATRIAL.

10/09/2020 -- BAYTEST:

	PORT	STBD		
FUEL	1/4	1/4		
IDLE	680	665		
VOLTS	14.0	14.0		
OIL	28 *	60 @ IDLE	ACTUAL * 56 PSI	
HOURS	196.4 *	200.9 **	ACTUAL * 175 ** 175	
WOT ACTUAL	3840	3840		
GAUGES	3900	3900	SPEC 3800	
NO LOAD ACTUAL	4196	4230	SPEC 4200-4300	

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Part Number	Description	Bin	Qty	Price	Ext Price
INJECTOR REBUILD			12	250.00	3000.00
11994	GASKET		34	0.89	30.26
20707685	PLANE GASKET		2	7.94	15.88
21624740	FUEL FILTER		2	38.40	76.80
3501530	GASKET		2	8.22	16.44
842913	SEALING RING		2	10.59	21.18
858659	HOSE CONNECTION		4	52.77	211.08
859002	GASKET		6	5.60	33.60
948685	CAP NUT		24	2.67	64.08
953036	STUD		22	5.80	127.60
955893	WASHER		24	0.37	8.88
957171	GASKET		24	0.53	12.72
966978	V-BELT		2	64.23	128.46
967944	O-RING		2	3.43	6.86
969011	GASKET		4	2.19	8.76
969299	HOLLOW SCREW		2	10.44	20.88
984725	FLANGE SCREW		4	0.52	2.08
984727	FLANGE SCREW		2	0.59	1.18
994559	HOSE CLAMP		4	2.61	10.44
997641	SHUT-OFF COCK		2	29.39	58.78
3582599	INSERT		2	3546.84	7093.68
23557470	GASKET		2	36.76	73.52
951930	SPRING PIN		2	1.11	2.22
21325765	V-CLAMP		2	41.60	83.20
3582310	FEED PUMP		2	177.23	354.46
3582639	SEALING STRIP		2	32.71	65.42
466328	HOSE		2	19.86	39.72
838864	V-CLAMP		2	6.84	13.68
844093	FLANGE		4	34.09	136.36
845646	FUEL HOSE		4	118.69	474.76
847573	SEALING STRIP		2	31.20	62.40
858979	SEALING RING		2	22.54	45.08
859052	GASKET		2	5.46	10.92
859963	EXHAUST PIPE ELBOW		2	543.37	1086.74
860448	FUEL PIPE		2	79.69	159.38
860920	GASKET		4	31.73	126.92
861260	TURBOCHARGER		2	3859.06	7718.12
861657	HOUSING		2	463.84	927.68
864723	SEALING RING		2	13.59	27.18
876579	CONVERSION KIT		2	338.20	676.40
CRC06020	DEGREASER NON-CHLOR		1	22.29	22.29
SCP23386	MARINE CLMP #16 1/2 BAND		4	1.70	6.80
MLM32012	3/8H X 1/4P MALE HOSE BARB		2	2.59	5.18
INJ0375	BLUE SILICONE HOSE		4	3.75	15.00
60113666	FLANGE SCREW		2	2.71	5.42
201	CONVENTIONAL 50/50 ANTIFREE		10	17.25	172.50
SHIPPING			1	150.00	150.00
SHOP SUPPLIES			1	75.00	75.00
				Material:	23485.99

Date	Description	Hours	Price
08/25/2020	204 LABOR	0.75	101.25
08/31/2020	210 LABOR	5.45	735.75
09/01/2020	210 LABOR	4.25	573.75
09/23/2020	210 LABOR	8.00	1080.00
09/24/2020	210 LABOR	7.50	1012.50
09/25/2020	210 LABOR	4.00	540.00
09/28/2020	210 LABOR	5.00	675.00

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10/06/2020	210	LABOR	7.50	1012.50
10/07/2020	204	LABOR	1.50	202.50
10/07/2020	203	LABOR	1.00	135.00
			Labor:	6068.25
			Subtotal:	\$29554.24

===== 5 : MID-SHIP FLOAT SWITCH (T/M) By: 206

10/09/2020 -- AT TIME OF BAYTEST, NOTICED WATER ACCUMULATING IN MID-BILGE AREA AS A RESULT OF LEAKING SHAFT LOGS, AND MID-SHIP FLOAT SWITCH INOPERATIVE. REMOVE AND REPLACE FAULTY FLOAT SWITCH AND TEST - OPERATING PROPERLY AT THIS TIME.

Part Number	Description	Bin	Qty	Price	Ext Price
RUL40A	RULE A MATIC PLUS MERCURY F		1	57.39	57.39
SHOP SUPPLIES			1	10.00	10.00
				Material:	67.39

Date	Description	Hours	Price
10/09/2020	204 LABOR	1.00	135.00
		Labor:	135.00
		Subtotal:	\$202.39

===== 6 : PORT ENGINE (T/M) By: 206

8/17/2020 -- CUSTOMER ADVISES THE PORT ENGINE IS SHOWING LOW OIL PRESSURE AND ENGINE RUNNING HOT, CHECK AND ADVISE.

-- MECHANICAL TEST OIL PRESSURE, OK AT THIS TIME, SUSPECT FAULTY SENDER. REMOVE AND REPLACE OIL PRESSURE SENDER. PORT TEMPERATURE READING INACCURATELY. REMOVE AND REPLACE TEMPERATURE SENDER AND BAYTEST - PORT OIL AND TEMPERATURE READING PROPERLY AT THIS TIME.

Part Number	Description	Bin	Qty	Price	Ext Price
1324492	RELAY		1	25.84	25.84
7737784	INSTALLA.INSTRUCTION		1	3.29	3.29
827151	TEMPERATURE SENSOR		1	85.34	85.34
833927	THERMO MONITOR		1	147.33	147.33
863169	PRESSURE MONITOR		1	81.16	81.16
866833	PRESSURE SENSOR		1	194.47	194.47
873601	CABLE		1	27.43	27.43
SHIPPING	From Vendor		1	25.00	25.00
				Material:	589.86

Date	Description	Hours	Price
10/08/2020	204 LABOR	1.00	135.00
10/09/2020	204 LABOR	2.50	337.50
		Labor:	472.50
		Subtotal:	\$1062.36

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**Payment:**

COD : \$7464.82 Acct # 3722

Shop Supplies

\$0.00

\$0.00

Labor &amp; Material

\$31313.99

Sub Total

\$31313.99

*Date Brought In*

07/21/2020

8.625% Tax

\$2700.83

Total Amount

\$34014.82

Less Deposit

\$26550.00

Balance Due

\$7464.82

Thank you for choosing Dickson's Marine for your service needs.