

MIKE HAMILTON LOGGING LTD.
EQUIPMENT MAINTENANCE REPORT
B12 - Sidewinder Boom Boat - S/N: 395936

Vendor	Invoice	Date	Hours	Cost	Description
MHL		02/29/2016	0.00	17.29	Monthly equipment costs for February 2016
COH10	36306681	04/01/2016	0.00	7,428.55	COH10 - Pullmaster winch SN 116079
KYLER		06/16/2016	3.00	0.00	Lack of power, clean air box
CIP10	12988	06/29/2016	0.00	477.50	CIP10 - Repair prop balance
MHL		06/30/2016	0.00	713.54	Monthly equipment costs for June 2016
MIM10	1499	07/01/2016	0.00	3,222.21	MIM10 - Replace broken propeller shaft
MHL		07/31/2016	0.00	561.64	Monthly equipment costs for July 2016
MHL		11/30/2016	0.00	548.61	Monthly equipment costs for November 2016
ONTRACK		02/03/2017	4.00	267.80	- test problem with cooling system, seems to be head gasket or cracked head
ONTRACK		02/05/2017	1.00	66.95	- help lift off head, pack up wharf
ONTRACK		02/08/2017	1.00	66.95	- pack head off eng, take to carmac, get another swaped over, organize parts
JDM		02/14/2017	4.00	274.48	Clean parts, work on engine
JDM		02/15/2017	4.00	274.48	Work on engine
ONTRACK		02/15/2017	4.00	267.80	- work at putting head on, but not straight forward, gov on wrong side, fuel rod problems
ONTRACK		02/16/2017	7.00	468.65	- finish putting eng back together, run up, clean bilge
JDM		02/16/2017	10.00	686.20	Work on engine, service, repair exhaust, clean bilge
MHL		02/28/2017	0.00	550.50	Monthly equipment costs for February 2017
CAR10	74514	02/28/2017	0.00	3,212.12	CAR10 - 453 head - F5198202H
CAR10	74514	02/28/2017	0.00	1,220.94	CAR10 - F5198202H
CAR10	74514	02/28/2017	0.00	300.00	CAR10 - Transfer components to new head
ONTRACK		03/29/2017	1.00	66.95	- try to get started, run out of fuel
JDM		03/29/2017	1.00	38.82	Bleed fuel system
ONTRACK		04/13/2017	2.00	133.90	- change shear pins out on leg to drive shaft
ONTRACK		04/26/2017	1.00	66.95	- find & battery terminal & charge
ONTRACK		05/03/2017	2.00	133.90	- bleed fuel to get started, ran out
ONTRACK		05/14/2017	2.00	133.90	- prime fuel, get funning
MHL		06/30/2017	0.00	232.96	Monthly equipment costs for June 2017

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MHL		07/31/2017	0.00	35.65	Monthly equipment costs for July 2017
ONTRACK		09/26/2017	0.50	25.50	- check out winch free spool arm
ONTRACK		09/26/2017	0.25	12.75	- parts
ONTRACK		09/26/2017	0.25	0.00	- parts
ONTRACK		09/26/2017	0.50	0.00	- check out winch free spool arm
ONTRACK		09/27/2017	2.00	102.00	- check out hydr leak (fitting on deck) remove winch & take to town (free wheel didn't work)
ONTRACK		09/27/2017	0.25	12.75	- parts
ONTRACK		09/27/2017	0.25	0.00	- parts
ONTRACK		09/27/2017	2.00	0.00	- check out hydr leak (fitting on deck) remove winch & take to town (free wheel didn't work)
JDM		10/04/2017	2.00	77.64	Prime fuel system
ONTRACK		10/16/2017	2.00	133.90	- check heater problem, order new one
MHL		10/31/2017	0.00	577.01	Monthly equipment costs for October 2017
ONTRACK		11/01/2017	3.00	200.85	- repair bilge pump wiring
ONTRACK		11/08/2017	2.00	133.90	- remount winch & hook up hydr, check specs look up infor on pump & winch
ONTRACK		11/09/2017	4.00	267.80	- work on winch power problem not producing high enough pressure from pump, remove it, drop off at Wainbee, phone in morning on it
ONTRACK		11/14/2017	0.50	21.00	- help fix coolant leak
ONTRACK		11/14/2017	2.00	110.00	- diagnose coolant leak, tighten clamp that go into cooling leg
ONTRACK		11/25/2017	2.50	105.00	- help replace battery, replace heater core
ONTRACK		11/25/2017	3.00	165.00	- diagnose low power issue, install heater & new battery
ONTRACK		11/27/2017	2.50	137.50	- 500 hr service
ONTRACK		11/27/2017	2.00	84.00	- 500 hr service
MHL		11/30/2017	0.00	721.62	Monthly equipment costs for November 2017
ONTRACK		12/09/2017	0.50	27.50	- change fuel filters / missing filters
ONTRACK		12/09/2017	0.50	21.00	- change filters
ONTRACK		01/03/2018	0.50	21.00	- tighten coolant hose, adj clutch
ONTRACK		01/03/2018	0.50	27.50	- tighten booland hoses & adj clutch
ONTRACK		01/05/2018	2.00	110.00	- diagnose coolant leak & shorten coolant hose

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ONTRACK		01/05/2018	2.00	84.00	- coolant leak repair
ONTRACK		02/02/2018	1.00	66.95	- check eng running problem, could be cracked head
ONTRACK		02/09/2018	9.00	602.55	- remove exhaust manifold, run eng, check wich hole is trouble, remove head take to town to have it pressure tested, order in head
ONTRACK		02/14/2018	5.00	334.75	- clean block, prep for head gasket, install head gasket & head
ONTRACK		02/14/2018	3.00	126.00	- 500 hr service
ONTRACK		02/15/2018	4.50	301.27	- finish tune up, clean up & run eng
ONTRACK		02/17/2018	0.75	31.50	- patch holes
ONTRACK		02/17/2018	1.50	82.50	- install knob & clean out bilge pump
ONTRACK		02/19/2018	2.00	133.90	- set up clutch and install seat
ONTRACK		02/22/2018	2.00	133.90	- check clutch, try to adj again
ONTRACK		02/23/2018	4.00	267.80	- remove clutch and fly wheel to small for boat, take to Carmac, order new one
CAR10	81123	02/26/2018	0.00	2,891.94	CAR10 - 453 Head - F5198202H
CAR10	81123	02/26/2018	0.00	505.20	CAR10 - Test cyl head, no good, swap parts to exchange
MHL		02/28/2018	0.00	1,547.59	Monthly equipment costs for February 2018
ONTRACK		02/28/2018	3.00	200.85	- work on clutch
ONTRACK		03/01/2018	3.00	200.85	- work on clutch
ONTRACK		03/05/2018	6.00	401.70	- change eng oil & filters, get drive shaft shortened to long for clutch
ONTRACK		03/07/2018	4.00	267.80	- remove eng, take to Carmac
ONTRACK		03/16/2018	9.00	602.55	- pick up eng in morning, haul into Elk Bay, install into boat, hook up drive, launch into bull pen, test run, load down engine
ONTRACK		03/16/2018	2.00	110.00	- R&R racor filter & check flow out of fuel tanks
CAR10	81648	03/22/2018	0.00	6,090.38	CAR10 - Rebuild engine
CAR10	81733	03/26/2018	0.00	1,630.98	CAR10 - Power take off - 436003AM
CAR10	81733	03/26/2018	0.00	1,370.05	CAR10 - Change over parts for new PTO
MHL		03/31/2018	0.00	178.85	Monthly equipment costs for March 2018
ONTRACK		04/17/2018	4.00	168.00	- 500 hr service
MHL		04/30/2018	0.00	117.03	Monthly equipment costs for April 2018
ONTRACK		05/26/2018	1.00	42.00	- pump out & inspect & grease

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ONTRACK		05/28/2018	1.00	42.00	- pull driveline
ONTRACK		05/29/2018	1.00	42.00	- work on driveline
MHL		05/31/2018	0.00	122.89	Monthly equipment costs for May 2018
ONTRACK		06/05/2018	1.50	63.00	- change drive line
ONTRACK		06/21/2018	1.00	70.12	- install hood hold down clamp, change fuel filters
ONTRACK		07/24/2018	0.50	21.50	- help with power loss
ONTRACK		08/17/2018	2.50	175.30	- remove prop rope, take prop to shop for repairs, check over for service
ONTRACK		08/20/2018	0.50	21.50	- pick up propellor
NIP10	36513	08/20/2018	0.00	440.00	NIP10 - Repair and balance prop
ONTRACK		08/23/2018	1.00	43.00	- complete service
MHL		08/31/2018	0.00	183.72	Monthly equipment costs for August 2018
ONTRACK		09/11/2018	1.50	84.75	- install new leg zinc
WRENCH		01/23/2019	8.00	673.20	Drain bilge and remove engine
WRENCH		01/24/2019	9.00	757.35	Remove engine from back of my truck and put on concrete pad, plug up ports, degrease and pressure wash, set up inside and begin disassembly
WRENCH		01/25/2019	8.00	673.20	Continue engine disassembly, cyl head removed and stripped of parts, oil pan removed, liners and pistons removed, oil cooler core and water pump removed, source parts
WRENCH		01/28/2019	8.00	673.20	Work on engine, get it completely stripped down, inspect and order parts, cyl head sent out to be checked/replaced, wash parts
MYCO		01/28/2019	2.50	102.42	Source parts, pack up head for shipping
WRENCH		01/29/2019	2.00	168.30	Continue washing small parts, organize and lay things out
MYCO		01/30/2019	1.50	61.46	Tie block and parts to pallet for shipping
MHL		01/31/2019	0.00	111.23	Monthly equipment costs for January 2019
WRENCH		01/31/2019	6.00	504.90	Put all pieces in boxes to clear space, remove old gaskets, clean out clutch housing, order drive ring and friction plates, order injectors and pilot bearing
BDM11	4324	02/01/2019	0.00	336.86	BDM11 - Wash engine
WRENCH		02/04/2019	1.00	84.15	Work on exhaust manifold removing flange to exhaust piping, cut studs off and attempt to split these two pieces
MYCO		02/05/2019	0.50	20.48	Pick up parts

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TAU10	56103	02/12/2019	0.00	1,812.50	TAU10 - Repair head
TAU10	55985	02/19/2019	0.00	1,381.59	TAU10 - 4-53 overhaul kit - PIAS53401-001
MYCO		02/20/2019	1.50	61.46	Pick up engine parts
WRENCH		02/22/2019	1.00	84.15	Start cleaning up block and bell housing
WRENCH		02/25/2019	4.00	336.60	Clean engine block, install main bearing for crankshaft, lay crankshaft in and install caps finger tight
WRENCH		02/27/2019	3.00	252.45	Tighten main bearing caps, roll eng over to install liners, measure crankshaft to make proper seal sleeve installers
MHL		02/28/2019	0.00	2,281.39	Monthly equipment costs for February 2019
WRENCH		02/28/2019	9.50	799.42	Install liners, assemble pistons, load into liners, make tools to install crank seal sleeves and seals
WRENCH		03/01/2019	7.00	589.05	Install piston and liner kits into block and torque the con rod bolts, install sleeve for front crank seal, fit oil pump into front housing and install cover
WRENCH		03/05/2019	4.50	378.68	Install camshaft and balance shaft, timing gears, etc
WRENCH		03/06/2019	9.00	757.35	Engine assembly
MYCO		03/06/2019	1.00	40.97	Dig out parts for Tom
WRENCH		03/07/2019	9.00	757.35	Engine assembly
WRENCH		03/11/2019	6.00	504.90	Assemble engine
WRENCH		03/12/2019	9.00	757.35	Assemble engine
WRENCH		03/13/2019	9.50	799.42	Make an engine stand and continue engine assembly, repair broken studs on exhaust manifold
MYCO		03/13/2019	3.00	122.91	Help Tom with engine
MHL		03/31/2019	0.00	-56.29	Monthly equipment costs for March 2019
ONTRACK		04/15/2019	0.50	28.25	- tighten winch down
MHL		04/30/2019	0.00	4.21	Monthly equipment costs for April 2019
WRENCH		05/28/2019	2.00	168.30	Load eng for boat in shop truck and secure for transport
WRENCH		05/29/2019	11.00	925.65	Clean out engine compartment, start engine install
WRENCH		05/30/2019	10.00	841.50	Change out bad hoses, connect cab heater, evacuation pump, alternator, fill with fluids, install bell housing, new clutch disks

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WRENCH		05/31/2019	6.00	504.90	Engine will not roll with starter, interference in flywheel housing, take apart and find two bolts with rub marks, remove washers to improve clearance and reassemble, starts
MHL		05/31/2019	0.00	85.84	Monthly equipment costs for May 2019
WRENCH		06/10/2019	3.00	252.45	Replace rotted piece of exhaust
MHL		06/30/2019	0.00	56.26	Monthly equipment costs for June 2019
MHL		08/31/2019	0.00	667.61	Monthly equipment costs for August 2019
ONTRACK		11/20/2019	2.00	113.00	- install hydr hose for steering, diagnose oil leak & repair valve cover gasket, check for leaks
MHL		11/30/2019	0.00	60.10	Monthly equipment costs for November 2019
ONTRACK		12/05/2019	3.00	169.50	- check charging systems, remove battery to charge over night, remove alt from other boat & install
ONTRACK		12/06/2019	1.50	84.75	- install charged battery, check charging system & install new alt on boat
ONTRACK		12/09/2019	1.00	56.50	- bleed fuel system & get running
MHL		12/31/2019	0.00	107.14	Monthly equipment costs for December 2019
ONTRACK		01/24/2020	2.00	140.24	- service eng
ONTRACK		02/03/2020	0.50	28.25	- bleed fuel system & get running
ONTRACK		03/20/2020	2.00	140.24	- fix valve cover, hold down bolt, remove ancor and weld into place
ONTRACK		04/21/2020	2.00	140.24	- change fuel tubes, change eng oil & filters
ONTRACK		04/22/2020	2.00	140.24	- check eng leaks, found diesel fuel in oil, remove valve cover, found 2 fuel jumper lines leaking they are cracked
ONTRACK		04/28/2020	3.00	210.36	- change coolant hose to heel cooler, add coolant
MHL		04/30/2020	0.00	75.61	Monthly equipment costs for April 2020
ONTRACK		06/01/2020	1.00	70.12	- check why hard starting, found leaky fuel pump
MHL		06/30/2020	0.00	242.22	Monthly equipment costs for June 2020
ONTRACK		08/21/2020	1.00	70.12	- install hood prop rod, thighten battery cables
ONTRACK		10/22/2021	1.00	56.50	- r&r fuel filter & clean housing
MHL		11/30/2021	0.00	138.94	Monthly equipment costs for November 2021
MHL		01/31/2022	0.00	173.46	Monthly equipment costs for January 2022
ONTRACK		04/25/2023	3.50	252.77	- get boat in bone yard running for extra boat

Vendor	Invoice	Date	Hours	Cost	Description
ONTRACK		04/26/2023	8.00	577.76	- service eng & fuel, change filters, add fuel conditioner, fix hole in boat bloor, install seat, install plug clean hole with tap, install new plug, pick up zinc for boat
MHL		04/30/2023	0.00	610.20	Monthly equipment costs for April 2023
ONTRACK		05/01/2023	1.00	72.22	- install sealant to boat hull
ONTRACK		05/03/2023	1.00	72.22	- put some sealant on hull of boat
MHL		06/30/2023	0.00	227.93	Monthly equipment costs for June 2023
ONTRACK		07/18/2023	3.00	216.66	- fill deck holes w/steel & 2 part epoxy patch (barge in a can)
ONTRACK		08/23/2023	1.00	72.22	- charge & reinstall battery
ONTRACK		10/18/2023	3.00	216.66	- no start problem, jump & check charging & battery, pick up battery
ONTRACK		10/19/2023	1.00	72.22	- change battery & fix cable clean up
MHL		10/31/2023	0.00	261.72	Monthly equipment costs for October 2023
ONTRACK		02/26/2024	1.00	72.22	- start up & check over, install drain plug into hull
MHL		03/31/2024	0.00	325.59	Monthly equipment costs for March 2024
ONTRACK		08/20/2024	1.00	72.22	- measure muffle, found id tag
ONTRACK		09/05/2024	1.00	72.22	- unhook trailer from DL5 & block back of trailr, so not to tip over
MHL		10/31/2024	0.00	63.75	Monthly equipment costs for October 2024
MHL		11/30/2024	0.00	47.83	Monthly equipment costs for November 2024
MHL		12/31/2024	0.00	47.79	Monthly equipment costs for December 2024
MHL		01/31/2025	0.00	47.79	Monthly equipment costs for January 2025
MHL		02/28/2025	0.00	47.79	Monthly equipment costs for February 2025
MHL		03/31/2025	0.00	47.79	Monthly equipment costs for March 2025
MHL		04/30/2025	0.00	47.79	Monthly equipment costs for April 2025
MHL		05/31/2025	0.00	47.79	Monthly equipment costs for May 2025
MHL		06/30/2025	0.00	47.79	Monthly equipment costs for June 2025
MHL		07/31/2025	0.00	47.79	Monthly equipment costs for July 2025
MHL		08/31/2025	0.00	47.79	Monthly equipment costs for August 2025
MHL		09/30/2025	0.00	47.79	Monthly equipment costs for September 2025
MHL		10/31/2025	0.00	22.50	Monthly equipment costs for October 2025
MHL		12/31/2025	0.00	22.50	Monthly equipment costs for December 2025

Vendor	Invoice	Date	Hours	Cost	Description
MHL		01/31/2026	0.00	22.50	Monthly equipment costs for January 2026
MHL		02/28/2026	0.00	22.50	Monthly equipment costs for February 2026
MHL		03/31/2026	0.00	467.61	Monthly equipment costs for March 2026
MHL		04/30/2026	0.00	22.50	Monthly equipment costs for April 2026
MHL		05/31/2026	0.00	22.50	Monthly equipment costs for May 2026
MHL		06/30/2026	0.00	22.50	Monthly equipment costs for June 2026