

**Pro-Ex Equipment Repairs Ltd**  
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 office@pro-ex.ca  
 (780) 532-7659



**Invoice: 762**  
**Date: 10/8/2020**

**Bill To**  
 Rockwater Energy Services

Service Order	Terms	Due Date	Authorizer	Customer PO	Unit #
1752	COD	10/8/2020	-	23966	B1408

Item	Description	Quantity	Rate	Amount
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**Complaint:** Engine Work  
**Cause:** Customer request

Labor	<b>Correction:</b> Engine / Bottom End / Brought unit into shop and removed valve cover. Found damaged cam shaft and rocker levers. Found coolant in oil. checked coolant level. Very low. Check oil level. Very high. Drained all fluids and removed rad, fan blade, shroud and hub. Removed front gear cover and cam plates. Removed rocker shaft assemblies and injector, lines, tubes and hold down clamps. Removed cam shaft and determined it needed replacing. Removed intake and exhaust manifolds. Removed brackets, EGR, Thermostat housing, turbo and coolant jacket. Removed head bolts. Removed cylinder head and sent out for testing. Removed head gasket and cleaned deck. Clamped down liners and check protrusion. Hole #5 below spec but block still good. Decision to cut block was made. Rented tool and got new shims and liners. Cut all 6 holes to 13.5 thou protrusion. Cleaned block for reassembly. Removed main caps and installed new main bearings. Installed new liners, shims and o-rings. Got pistons sand blasted. Put pistons together with connecting rods and wrist pins. used new snap rings and piston rings and con bearings. Installed pistons into engine. Put cooling nozzles in. Put cylinder head with new head gasket on. used crane to hold up engine and removed front structure. Cleaned front of block and installed new front structure and gaskets. Put front engine mount back on and removed crane from engine. Installed new cam shaft. Pinned crank shaft and installed all gearing and timed engine. Installed cam plates, front cover and new front crank seal. Applied first coat of paint. Took apart , cleaned and reassembled rocker shaft assemblies. Installed injectors and injector tubes. Installed rocker shafts and performed valve seton engine. Installed injector harness and fuel lines. Installed intake manifold and valve cover. Took apart coolant thermostat housing and replaced thermostat and gaskets. Installed thermostat housing, exhaust manifold, EGR and turbo. Ensured all lines, hoses, wiring was hook up and tight. Cleaned and painted oil pan and installed. Filled engine with oil. Installed rad in truck and filled with new coolant. Installed air piping and made sure everything was don. Fired up engine, check for leaks and topped up fluids. Replaced o-ring on power steering box and put new fluid in. - 10/5/2020	73.50000	\$135.00	\$9,922.50
Labor	Head Refurb	1.00000	\$3,881.00	\$3,881.00
Parts	Pistons Sublet	1.00000	\$152.25	\$152.25
Parts	Seal , Rectangular Ring	1.00000	\$16.91	\$16.91
Parts	Set - Piston Ring	6.00000	\$362.33	\$2,173.98
Parts	Retaining Ring	12.00000	\$10.03	\$120.36
Parts	Bearing-Rod (Set)	6.00000	\$124.73	\$748.38
Parts	Kit-Main Bearing	1.00000	\$452.73	\$452.73
Parts	Oil Pan Gasket	1.00000	\$348.21	\$348.21
Parts	Clamp-V Band	1.00000	\$86.99	\$86.99
Parts	Element - Breather	1.00000	\$162.75	\$162.75
Parts	Antifreeze Prestone ELC 50/50 Red Jug	15.00000	\$14.53	\$217.95
Parts	Engine Paint	4.00000	\$13.84	\$55.36

Item	Description	Quantity	Rate	Amount
Parts	ATF D/M 1L	3.00000	\$12.20	\$36.60
			<b>Sub Total</b>	\$18,375.97

**Complaint:** Cut Block  
**Cause:** Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Top End / Decision to cut block was made. Rented tool and got new shims and liners. Cut all 6 holes to 13.5 thou protrusion. - 10/8/2020	9.50000	\$135.00	\$1,282.50
Parts	Shim	1.00000	\$107.75	\$107.75
Parts	Shim	11.00000	\$86.10	\$947.10
			<b>Sub Total</b>	\$2,337.35

**Complaint:** Engine Service  
**Cause:** Customer request (Inspection)

Labor	<b>Correction:</b> Engine / Lubrication / Completed engine service on unit. Changed oil, fuel and air filters. - 10/5/2020	2.00000	\$135.00	\$270.00
Parts	Oil Filter	1.00000	\$54.20	\$54.20
Parts	Spin on Fuel Filter	1.00000	\$45.75	\$45.75
Parts	Coolant Filter	1.00000	\$38.45	\$38.45
Parts	Radial Air Filter	2.00000	\$88.81	\$177.62
Parts	Duron HP 15w-40 20L pail (BY THE LITER)	48.00000	\$6.52	\$312.96
			<b>Sub Total</b>	\$898.98

Freight for Parts	\$75.00
Freight for Parts	\$42.50

<b>Unit:</b> B1408 <b>VIN:</b>	<b>Labor</b>	\$15,356.00
<b>Chassis:</b> 473,395 Kilometers	<b>Parts</b>	\$6,256.30
<b>Engine:</b> 16,149 Hours	<b>Shop Supplies</b>	\$336.24
		<b>Pre Tax Total</b>
		\$22,066.04
<b>GST (5.0000% of \$22,066.04)</b>		\$1,103.30
		<b>Total</b>
		\$23,169.34
<b>Payments &amp; Credits</b>		\$0.00
<b>Balance Due</b>		\$23,169.34

"YOUR BUSINESS IS APPRECIATED, THANK YOU.

PRO-EX EQUIPMENT REPAIRS LTD

GST # 893941781

TERMS: NET 30 DAYS

CASH OR CHEQUE O.A.C. 2% PER MONTH (24% PER ANNUM) WILL BE CHARGED ON INVOICES NOT PAID WITHIN 30 DAYS OF INVOICE DATE.

THIS COMPANY DOES NOT ASSUME RESPONSIBILITY FOR VEHICLES OR EQUIPMENT LEFT FOR STORAGE OR OTHER PURPOSES, OR FOR ARTICLES LEFT IN SAME. VEHICLES DRIVEN BY OUR EMPLOYEES AT OWNERS RISK."

