

EB23-1



Oakley Mechanical Ltd
3916 - 52 Street Close
Lloydminster SK S9V 2G9
info@oakleymechanical.ca
Business Number 869764985

Receipt

Received From
Ever Clear Enterprises Ltd

Date: 01/05/2024

Reference No: 701003446

Invoice Number	Invoice Date	Due Date	Original Amount	Balance	Payment
31455	12/31/2023	12/31/2023	71656.07	46656.07	46656.07

Memo:

Amount Credited:

\$0.00

Total:

\$46,656.07



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3916 - 52 Street Close
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Business Number 869764985

Receipt

Received From
Ever Clear Enterprises Ltd

Date: 01/04/2024

Reference No: MC-004753

Invoice Number	Invoice Date	Due Date	Original Balance	Balance	Payment
31455	12/31/2023	12/31/2023	71656.07	25000.00	25000.00

Memo:

Amount Credited:
Total:

\$0.00
\$25,000.00



Oakley Mechanical Ltd
3916 - 52 Street Close
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Business Number 869764985

INVOICE

BILL TO
Ever Clear Enterprises Ltd

INVOICE # 31455
DATE 12/31/2023
DUE DATE 12/31/2023
TERMS Due on receipt

UNIT #
Pete

VIN#
1XPXDB9X1BD117532

DESCRIPTION	QTY	UNIT PRICE	AMOUNT
2011 Peterbilt			
KM 1671377 KM 0.9			
Shop Labour	144	130.00	18,720.00
			Subtotal: 18,720.00

PAID

DESCRIPTION	QTY	RATE	AMOUNT
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October 18, 2023

Remove oil pan, oil pickup pipes and oil pump
 Remove block stiffener plate
 Clean carbon ring around all 6 lines
 Remove all 6 pistons cooling nozzles
 Remove all 6 connecting rod caps
 Remove all 6 pistons
 Remove all 6 liners
 Block has been cut previously, clean block and all holes
 Clean and measure all shims
 Measure all 6 cut counter bore where liners sit
 Clean and check cylinder head - cracked
 Attempted to cut block - Unable due to cracks - needs new block
 Remove coolant and A/C lines
 Remove rad supports and rad
 Remove PTO drive line to pump
 Remove exhaust and drive line
 Remove PTO and disconnect all sensors and lines to transmission
 Remove shift tower and clutch linkage
 Remove bell housing bolts
 Remove transmission
 Disconnect all sensors and lines to engine bolt
 Remove ECM harness and ECM
 Disconnect batter cables at starter
 Remove starter
 Remove front and rear engine mounts
 Strip down old block
 Remove clutch and flywheel
 Remove rear crank seal
 Remove rear structure
 Remove fuel lines and brackets
 Remove fuel pump, power steering pump, air compressor and lines
 Remove water pump and A/C compressor bracket

DESCRIPTION	AMOUNT
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Remove oil cooler, oil filter housing and all lines
 Remove front structure cover
 Remove vibration dumper
 Remove front crank seal and engine support bracket
 Remove front timing gears
 Removed front structure
 Rotate block around end for end to remove crank
 Unpackaged new block and flipped end for end and removed main bearing caps
 Remove main bearing caps on old block
 Clean new block and install crank
 Clean main bearing caps
 Install new main bearings
 Remove crankshaft from old block and clean crankshaft
 Install crankshaft into new block
 Install all 7 main bearing caps and torque to spec
 Rotate both blocks
 Clean surface and all 6 liners
 Install o-rings on all 6 liners and install liners into new block
 Disassemble piston and connecting rods
 Clean all 6 connecting rods and caps
 Install new piston and pins on all 6 connecting rods
 Install piston rings on all 6 pistons
 Install connecting rod bearings on all 6 connecting rods and caps
 Install pistons and connecting rod assembly into block, then install piston end caps and torque to spec
 Installed all piston cooling jets
 Lowered engine block down on ground and timed engine
 Cleaned rear structure
 Cleaned packing oil from new cylinder head
 Cleaned spacer plate
 Exchanged alignment dowls from old block to new
 Installed spacer plate and head gasket
 Installed head and torqued to spec
 Removed cam retaining plate and camshaft
 Installed cam retaining on head and cleaned and installed cam
 Wiped down rear structure and installed gaskets then installed rear structure and torqued to spec
 Timed engine at TDC
 Cleaned front structure and block - installed gasket
 Installed front structure and torqued to spec
 Found both idler gear bushings worn- replaced
 Installed gears in time and torqued to spec
 Installed front structure gear cover gasket and installed gear cover - torqued to spec
 Installed engine mounting bracket and water pump
 Installed cam gear and torqued to spec

DESCRIPTION**AMOUNT**

Set back lash between cam gear and idler gear .008
Torqued idler gear to spec
Cleaned and installed peanut cover and gasket,
Install front crank seal
Clean and installed vibration damper- torqued to spec
Clean and installed fuel pump and power steering pump
Clean and installed air compressor onto engine
Clean and installed thermostat housing and installed new thermostat
Install new o-rings on tube that connects thermostat housing to water pump and install tube
Install bracket that supports A/C compressor and pulley idlers
Exchange all plugs and sensors from old block and head to new
Install bracket support for idlers and alternator
Install coolant and fuel manifold
Connect coolant and fuel lines to head
Install 6 injectors and torqued to spec
Clean and installed injector harness and cover with new seals
Install all mounting studs for rocker and Jake heads - 3 damaged - replaced
Installed rockers and Jake heads and torque to spec
Perform overhead valve set
Valve cover bolt holes were stripped - installed heli coils
Fan hub bracket bolt holes stripped as well - heli coil
Installed fan hub support bracket
Install fan hub
Install A/C compressor, alternator and belts
Cleaned and installed valve cover with new gasket
Clean and installed fuel filter housing and crake case filter bracket and filter
Clean oil cooler and studs and installed
Install piping from oil cooler to water pump
Install dipstick and cleaned oil pan - Pressure wash out
Cleaned and installed oil pump and pick up pipes
Install block stiffener plate and pick up tubes
Install oil pan and torque to spec
Clean and installed oil pressure manifold
Removed from old head and install exhaust manifold and studs on new head- torque to spec
Clean oil filter housing and install new o-rings then reinstalled housing
Install fuel lines on L/H of engine - found rubbed line - replaced line
Clean ECM and reinstalled
Clean shop bay and put cores on pallet
Customer wanted fuel line replaced going to head
Had to remove lifting bracket and coolant hard line to gain access to replace fuel line then reinstall parts
Installed new fuel line from filter housing to pump
Install new air compressor air intake line and discharge line
Replace both L & R engine mounts

DESCRIPTION

Install new clutch brake
Replace 2 air fittings on transmission
Install new clutch on engine
Lift transmission into frame of truck
Lift engine into truck and aligned engine mounts and bolted engine down
Install new power steering lines
Connect all ECM plugs
Install engine harness and connect all plugs and sensors
Install radiator - connect all coolant lines and sensors
Secure wiring harness
Customer did not have fan shroud or A/C lines
Install new starter and connect all wires
Ran all fuel lines
Install transmission and torqued bell housing bolts to spec
Reinstall clutch linkage and adjust clutch
Install shift tower
Install transmission support bracket
Battery cable rubbed through- fabricate and replace cable running from battery to starter
Shimmed and installed PTO back lash .0008
Install drive shaft
Install PTO pump drive line
Fill transmission with oil
Install intake manifold - needed to remove fuel line and reroute as it was hitting manifold- secure
Fill power steering with oil
Remove and replace fuel filters
Remove and replace oil filter and fill up with oil
Fill coolant reservoir
Install new turbo
Install oil supply and drain lines
Weld cap onto first turbo
Drain line would not line up with second drain port - replaced with new one
Remove and replace L/H & R/H air filters - require pulling mirror bracket back to gain access and reinstall mirror bracket
Check all fluid levels and topped up coolant
Reinstall exhaust system with new flex pipe and fabricate hanger bracket
Ran truck and check for leaks
Took unit for test drive
Engine light came on and had coolant leak from 90 elbow under radiator
Drained coolant and replaced elbow - refilled coolant
Connect to diagnostics - no active code but check engine light on
Called supplier and said to install CGI Temp control box
Wire resistors in parallel for CGI Coil
Install CGI temperature box and join wires together
Secure engine harness frame
Test drive unit - engine light came on
Connect diagnostic scanner to check for codes - no codes
Called supplier and said to install diverter sensor
Check and clean battery connections - good
Install new joiner cables
Test drive unit - engine light came back on, no active codes in computer

DISCOUNTED

Diagnostic Scanner	1	120.00	120.00	
Brake Klccn	42	5.99	56.80	251.58
63062RSJ Ball bearings/clutch release	1	56.80	56.80	56.80
P208-105 Hell Coil - Perma Thread Inserts 5/16-18 NC	4	2.30	2.30	9.20
M12 Helicoll	1	2.30	2.30	2.30
HR56 Hose, 5/16 ft	3	4.25	12.75	12.75
10643-6-6 Parker flic swivel clamp fitting	1	8.70	8.70	8.70
13943-6-6 Parker flic swivel 90° clamp fitting	1	14.81	14.81	14.81
127760 Clutch brake 1-piece	1	79.07	79.07	79.07
PC14694A 1/4X1/8 Elbow push to connect	2	5.25	10.50	10.50
308925-25CA Clutch-2050 tq.	1	1,250.00	1,250.00	1,250.00
10643-8-8 Parker flic swivel clamp fitting	2	11.75	23.50	23.50
HC612 Gear clamp, 3/4	2	1.60	3.20	3.20
0503-8-8G Straight thread connector Morb x Mjic	1	2.78	2.78	2.78
387-6 Parker 3/8" medium pressure hydraulic hose 3000 PSI per foot	3	4.80	14.40	14.40
4305294 Shift tower gasket	1	19.93	19.93	19.93
11143 Grease hose, 18' long	1	12.15	12.15	12.15
35P151 Gasket, PTO thin 8 bolt shim .010	2	1.93	3.86	3.86
2507018X Bearing strap kit	2	30.60	61.20	61.20
ATF (Per Litr)	2	7.28	14.56	14.56
Syn 50 Oil (per litre) envtr. chg & handling	16	15.26	244.16	244.16
BF7587 Fuel filter	1	23.75	23.75	23.75
Enviro Chg.	1	1.66	1.66	1.66
BF1259 Filter, fuel	1	27.65	27.65	27.65
Enviro Chg.	1	1.66	1.66	1.66
Extended Life Coolant 50/50 Premix Per Litr	39	3.35	130.65	130.65
15W40 Oil (per litre) envtr. chg & handling	42	6.25	262.50	262.50
28448 3/4" Heater hose, heavy duty ft.	1	4.27	4.27	4.27
P206375 Connector 5" x 6 "	1	25.64	25.64	25.64
33969 Clamp Torcillo Lap 4.00" Alum	1	15.43	15.43	15.43
1009607 Band clamp; lap joint 5'	6	15.97	95.82	95.82
1024837 Flex pipe-cut, 5" x 24", galv	1	50.35	50.35	50.35
75W90 Oil (per litre) envtr. chg & handling	5	11.28	56.40	56.40
829184 Battery stud nut 3/8	1	7.00	7.00	7.00
7626001P Battery cable assy, 2/0	1	43.20	43.20	43.20
Outside shop fee - cutting block	1	853.31	853.31	853.31
Outside shop fee - Clean and test injectors	1	1,003.27	1,003.27	1,003.27
Freight - Purolator 334369931921	2	49.70	99.40	99.40
614421 Spacer Plates C15	1	966.30	966.30	966.30
3487743 C15 Valve bridge	12	45.00	540.00	540.00
C15CHBKFR C15 Head Bolt Kit, Cryo	1	1,025.00	1,025.00	1,025.00
N223-9250AVS C15 Cyl Head Inconel Int Rxc - These Cylinder heads have Inconel valves intake and Exhaust - 1 year warranty	1	7,400.00	7,400.00	7,400.00

RPT payments can be made to info@oakleymechanical.ca

DESCRIPTION	QTY	UNIT PRICE	TOTAL
X2674631 RX Cylinder Block, SDP - reconditioned upper and lower counterbores were cleaned and inspected	1	9,790.00	9,790.00
KIF6615/12/CS Inframe Kit PERFSPEC	1	7,488.00	7,488.00
Freight for engine	1	450.00	450.00
976615 New Sanden/Sankyo SD7H15 Compressor w/ clutch	1	436.20	436.20
Freight	1	26.66	26.66
Outside shop fee - Resurface regular flywheel	1	86.25	86.25
4388150 Gasket Kit Rear Structure	1	296.25	296.25
4373324 Gasket Set	1	550.00	550.00
Outside shop fee -Engine Programming	1	3,125.00	3,125.00
1018468 Bearing	1	120.99	120.99
1304698 Sleeve	1	94.15	94.15
1223772 Seal O-Ring	1	32.57	32.57
8J4351 Seal O-Ring	1	27.44	27.44
2818261 Sleeve	6	62.93	377.58
4988280CUM Gasket, Hyd Pump	1	6.99	6.99
1075769 Seal O-Ring	2	16.50	33.00
2275903 Seal O-Ring	1	6.34	6.34
6V5134 Seal O-Ring	4	28.83	115.32
1250434 Seal	1	47.09	47.09
2H2665 Seal	2	11.46	22.92
4J5351 Seal	2	3.08	6.16
6V1585 Seal O-Ring	2	8.81	17.62
16561710 Plug	3	19.23	57.69
1185068 Seal O-Ring	1	5.63	5.63
4N0699 Gasket	1	3.50	3.50
Engine mounting lift	1	125.00	125.00
0107-6-6G Male adapter mnpt x npsn	1	3.48	3.48
8T7062 Stud	3	40.55	121.65
3044925 Gasket	1	351.34	351.34
Seal	1	42.81	42.81
Seal	1	47.77	47.77
Seal O-Ring	1	24.53	24.53
Freight	1	12.00	12.00
20-28512-01P drain	1	61.54	61.54
2722462 Seal	2	44.58	89.16
3310213 Fuel tube	1	195.77	195.77
05-16401 Mount Engine Rubber	2	55.33	110.66
MR1001 Mount	4	57.06	228.24
Hardware	1	3.35	3.35
2722462 Seal	1	55.91	55.91
3221992 Hose AS	1	82.44	82.44
462ESMHD8 Same as 06-00984	1	41.13	41.13
401011 Bushing Shock Absorber	4	4.53	18.12
05-18713SPL Washer Snubbing	2	21.70	43.40

HFT payments can be made to info@oakleymechanical.ca

DESCRIPTION	QTY	UNIT PRICE	AMOUNT
826743 Reb Battery Cable	8	18.50	148.00
829182 Copper lug	1	8.13	8.13
826712 Red Battery Cable	8	4.03	32.24
B7299 High efficiency filter	1	39.13	39.13
Enviro Chg.	1	1.68	1.68
Freight Concierge	1	36.88	36.88
07-03286 Radiator Mount	4	62.04	248.16
HE2308 Hose Push on #12x25Hose	2	12.48	24.96
68HB-10-8G Beaded Hose Barb to Male Pipe	2	3.59	7.18
0502-12-8G Female Pipe Adapter Morb X FNPT	1	5.73	5.73
201-12 Parker Low Pressure Hose 1500 PSI (Per Foot)	1	15.05	15.05
FLA001 Turbo Oil Supply Plate	1	31.25	31.25
P331274 Cat C15 Acert Turbo Oil Drain Gasket * OE 1978419	1	11.88	11.88
12512D #8 MNPT X # 12 BARB Brass Fitting	1	4.75	4.75
175964-CHRA/S410G Turbocharger	1	987.50	987.50
171698 S400 1.32 A/R T6 Inlet Turbine Housing	1	628.61	628.61
177213R S400 Compressor Housing	1	150.00	150.00
BBB Machine Bearing Bores	1	150.00	150.00
Freight Rosenau Turbo Sent out	1	105.10	105.10
Freight Rosenau Turbo Return	1	105.10	105.10
AA 716374 Drain Line For Turbo	1	306.25	306.25
Freight Purolator 334461999107	1	27.85	27.85
1063942 Cat Elbow Flange Extension	1	230.00	230.00
5900195 Cat Yellow Spray Paint	1	25.89	25.89
B9226-0275TRP CLAMP T BOLT SPRING	2	10.54	21.08
F04-6006 Elbow Rubber Silicone	1	164.95	164.95
B7299 High Efficiency Filter	1	39.67	39.67
Enviro Chg.	1	1.66	1.66
Shop Supplies & Hardware	1	240.00	240.00
			Subtotal: 43,529.04
Shackle Pins and Bushings /Leaf Springs			
Shop Labour	14	130.00	1,820.00
Raise frame on truck			
Removed L/H & R/H steer axle shackles			
Pressed out upper and lower pins and bushings in hangers			
Removed L/H & R/H upper shackle pin brackets and pressed in new bushings			
Discovered R/H rear spring eye bushing was worn - replaced both R/H & L/H			
Removed L& R U-bolts and removed front spring eye bushings			
Removed and replaced both L & R steer axle leaf springs			
Installed rear shackles			
Lowered truck onto axle			
Aligned axle - installed U-bolts and torqued to spec			
Reinstalled air bags - 2 on L/H Steer axle and 2 on R/H steer axle			
ABSK125-9933 B81-6023 Saddle	1	239.61	239.61
B65-1017-002 pin Spring Rubber	2	222.29	444.58

DESCRIPTION	QTY	RATE	AMOUNT
059-0748-00 Spring Assembly	2	950.00	1,900.00
Freight	1	62.50	62.50
B34-6007-145 U Bolt Front Axle 3/4-16N	2	85.00	170.00
03-01199SPL Washer-U Bolt Rear Axle 3	4	3.50	14.00
HWC01041 Nut-Hex 3/4-16NFX1.000T G	4	17.51	70.04
85119 Shock, Fleetline HD, 85 Series, 1-5/8" Bore	2	94.27	188.54
MK17006 Air Spring Plate LH KW	1	371.24	371.24
			Subtotal: 5,280.51
Usage Fee - On 25,000.00 MC Payment	1	750.00	750.00

Interest of 2% (24% per annum) on overdue accounts.

Wheels removed during service must be retorqued at 150 km.

SUBTOTAL	68,279.55
GST @ 5%	3,376.52
TOTAL	71,656.07
PAYMENT	71,656.07
BALANCE DUE	\$0.00