

Adrenaline Diesel
 13019 - 151 Street NW
 Edmonton, AB T5V 1A7, CA
 info@adrenalinediesel.ca
 (780) 907-1965



Invoice: 6653

Date: 1/15/2024

Bill To
 R BATKE OILFIELD LTD

P: 780-812-0211

*Red Bank Draft
 # 50186*

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
5852	COD	1/15/2024	RANDY BATKE		Lafond, Richard	131

Item	Description	Quantity	Rate	Amount
Inspection				
Labor	UNDER HOOD CHECKLIST: Items to check BEFORE any unit leaves the shop. - Assigned tech(s): Lucas Hilliard	0.00000		\$0.00
Subtotal				\$0.00

Complaint: DIAGNOSE FOR BAD KNOCKING FROM ENGINE

Cause: Towed truck into shop, remove air intake pipes to pull valve cover off. found a missing valve bridge on cylinder number 3 exhaust. removed rocker assemblies to find that exhaust valves for number 1 and 3 cylinder are sticking.

Labor	Correction: Engine / Top End / Removed valve cover to find missing exhaust bridge on cylinder 3, valves were sticking on cylinder 3 - Completed: 1/3/2024 - Assigned tech(s): Lucas Hilliard	3.00000	\$160.00	\$480.00
Subtotal				\$480.00

Complaint: remove and replace head

Cause: Customer request

(Inspection)

Labor	Correction: Engine / Top End / Pull intake pipes off to remove valve cover, next remove rockers then remove rad and fan hub to access the cams. remove front cover and pull cam gears off cams. remove turbo and split egr cooler from head, next pull ecm and wiring out of the way and remove the fuel pump from the side of the head, finally pull the coolant line off the back of the head and lift head off engine, upon inspection all pistons and cylinders look good. next remove the oil pan to inspect for metal filings or pieces that could have came from the missing valve bridge. - Assigned tech(s): Chase Denomme-McKibbin, Ethan Casault, Lucas Hilliard	35.00000	\$160.00	\$5,600.00
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Item	Description	Quantity	Rate	Amount
	found that oil was metallic in color and that there were a few small pieces of metal in the oil pan as well as stuck to the pickup tube. pulled number 1,4,7 main bearing caps to inspect mains, and oil pump. main bearings where in good condition for reuse, oil pump was scared up and grooved pretty bad. - Completed: 1/3/2024			
Parts	Head - 5658283PXCUM	1.00000	\$8,373.71	\$8,373.71
Parts	Inherent Core for Head - 5658283PXCUM	1.00000	\$198.00	\$198.00
Parts	Dirty Core for Head - 5658283PXCUM	-1.00000	\$198.00	-\$198.00
Parts	4.00-4.31 T-BOLT CLAMP - 38-0371	1.00000	\$25.16	\$25.16
Parts	Injector cam gear hold down plate - 2869656CUM	1.00000	\$121.98	\$121.98
Parts	CAMSHAFT MODIFIED, VALVE CUMMINS (870, 871, 2250, 2350 & 2350X) - 3688242 MOD	1.00000	\$2,800.00	\$2,800.00
Parts	Head gasket kit - 4352145CUM	1.00000	\$2,483.32	\$2,483.32
Parts	Thermostat - 4318947CUM	1.00000	\$156.17	\$156.17
Parts	exhaust bridge - 4059329CUM	1.00000	\$59.59	\$59.59
Parts	front intake rocker - 5484230CUM	2.00000	\$263.87	\$527.73
Parts	Rear intake rocker - 5484231CUM	2.00000	\$278.68	\$557.36
Parts	CAC cooler - CAC61-1024TRP	1.00000	\$1,199.85	\$1,199.85
Parts	air filters - AF252547	2.00000	\$130.91	\$261.82
Parts	fan belt - D84-1000-3122295	1.00000	\$181.73	\$181.73
Parts	a/c belt - D84-1000-3061620	1.00000	\$98.39	\$98.39
Parts	oil pump - 5680039RXCUM	1.00000	\$1,390.27	\$1,390.27
Parts	Inherent Core for oil pump - 5680039RXCUM	1.00000	\$198.00	\$198.00
Parts	Dirty Core for oil pump - 5680039RXCUM	-1.00000	\$198.00	-\$198.00
Parts	SEAL, O-RING - 3678756	1.00000	\$15.66	\$15.66
Parts	Oil Pan Gasket, Cummins - M-4026684	1.00000	\$279.05	\$279.05
Parts	LUBE FILTER - LF14000NN	1.00000	\$85.30	\$85.30
Parts	APEX RED PAINT, CUMMINS - 3163075	1.00000	\$59.36	\$59.36
			Subtotal	\$24,276.45

Complaint: CUT COUNTERBORES**Cause:** Customer request

(Inspection)

Labor	Correction: Engine / Top End / Remove cooling jets to avoid damaging the jets, next remove the rod caps and pistons to install liner removal tool removing liners. then cut counterbores - Completed: 1/3/2024 - Assigned tech(s): Lucas Hilliard	9.37500	\$160.00	\$1,500.00
Parts	Piston rings - 5633496CUM	6.00000	\$458.44	\$2,750.64
			Subtotal	\$4,250.64

Item	Description	Quantity	Rate	Amount
Complaint: Remove/ install piston and liner for cutting counterbores				
Cause: Customer request				
(Inspection)				
Labor	Correction: Engine / Top End / Removed liners and pistons to find that the liner shelves were tapered causing the liner to sit to low on the exhaust side. - Completed: 1/3/2024 - Assigned tech(s): Christian Schram, Lucas Hilliard	4.00000	\$160.00	\$640.00
Parts	0.030 liner shim - 5298565CUM	6.00000	\$281.79	\$1,690.74
Parts	captive liner shims - 4311637	6.00000	\$167.04	\$1,002.24
Parts	liner orings - 3678738CUM	2.00000	\$35.17	\$70.34
Parts	nozzle, piston cooling - 3687058	6.00000	\$36.56	\$219.36
Parts	SEAL, O-RING - 3678738	4.00000	\$26.16	\$104.64
			Subtotal	\$3,727.32

Complaint: SUBLET FOR DYNO AT CUMMINS JAN 3RD**Cause:** Customer request

(Inspection)

Labor	Correction: Chassis / Chassis / - Completed: 1/3/2024 - Assigned tech(s): Lucas Hilliard	0.00000		\$0.00
Labor	DYNO	1.00000	\$608.78	\$608.78
			Subtotal	\$608.78

Complaint: REPAIR FOR EXHAUST LEAKS AT FLEX PIPE BEHIND TURBO**Cause:** Customer request

(Inspection)

Labor	Correction: Engine / Exhaust / Removed all clamps from old exhaust, when i was removing the exhaust to remove the transmission 2 of the 5 inch flex pipes split, upon inspection, they where extremely corroded, which is most likely why the split. Using new flex pipe i fixed the damaged piping. removed pipe from turbo, found a damaged clamp and the flex pipe was splitting open, corroded as well. using new clamp and flex pipe, i repaired he damaged section and replaced the pipe on the engine. - Completed: 1/15/2024 - Assigned tech(s): Chase Denomme-McKibbin	2.50000	\$160.00	\$400.00
Parts	5" FLEX GALV. / FT - G15-5120	4.00000	\$18.82	\$75.28
Parts	4" FLEX PIPE / FT - SSH40025	2.00000	\$82.94	\$165.88
Parts	4" SS TORCTITE LAP CLAMP - NEL 90366B	1.00000	\$21.69	\$21.69
Parts	1/2" SILICONE HEATER HOSE / FT - FLX 5526-050	10.00000	\$11.86	\$118.60
Parts	1-1/16" OD GEAR CLAMP - PCR PHS-10	2.00000	\$3.25	\$6.50
			Subtotal	\$787.95

Item	Description	Quantity	Rate	Amount
Complaint: REPAIR FOR LEAKING REAR STRUCTURE				
Cause: Customer request				
(Inspection)				
Labor	Correction: Engine / Lubrication / Removed shifter assembly, shifter cover and all air lines running to transmission. drained coolant, removed hoses to transmission cooler. removed exhaust and front and rear driveshafts. removed PTO from bottom of transmission. drained transmission oil and engine oil. removed all bellhousing bolts except two. took out bolts for inspection hole and removed clutch plate mounting bolts two at a time while turning engine over by hand. Installed transmission jack, strapped transmission to jack and then removed remaining bellhousing bolts. - Assigned tech(s): Chase Denomme-McKibbin, Quinlen Pederson unhooked positive battery cables and removed starter from flywheel housing. Removed oil pan and jacked up engine to remove rear engine mounts. removed flywheel housing and cleaned gasket surface. installed new gasket and torqued bolts to spec with torque pattern provided by cummings, lowered engine onto mounts and installed bolts, siliconed cracks for rear and front housings and installed oil pan with provided torque and pattern. installed starter back on flywheel housing. and hooked up battery. cleaned transmission while the flywheel was sent out to be machined. put on new compression fittings for the air lines. Four of the ten mounting screws for the shifter cover had to be extracted as the heads were stripped. cleaned all mounting surfaces. installed new clutch brake and clutch plate on transmission and installed new transmission on unit. installed PTO on transmission using shims to set the backlash. greased all u-joints, installed driveshafts and torqued u-joint bolts to 159 ft lbs Installed exhaust, installed new transmission coolant hoses as old ones were worn out. installed shifter cover with new bolts. filled with old coolant and added 8 L, filled with new engine oil, and transmission oil. installed new block heater and oil heater cord. ran unit and checked over work. - Completed: 1/15/2024	20.00000	\$160.00	\$3,200.00
Parts	SYN 50 TRANS FLUID/ L - PPL SYN-50-208	13.00000	\$13.39	\$174.07
Parts	COOLANT CONCENTRATE, HD EXPERT RED - IM2-26-739-1000	8.00000	\$5.17	\$41.36
Parts	HDEO Mobil Delvac Oil 15W40 BW - 125152	38.00000	\$6.75	\$256.50
Parts	PTO Mounting Shim .010 -- 8 Hole - 35P15-1	1.00000	\$4.31	\$4.31
Parts	GASKET, SHIFT TOWER - 4305294	1.00000	\$26.66	\$26.66
Parts	2 PC CLUTCH BRAKE - CB200SB	1.00000	\$65.24	\$65.24
Parts	CLUTCH - 308925-25CA	1.00000	\$1,755.52	\$1,755.52
Parts	U-JOINT STRAP KIT - 170-70-18X	2.00000	\$43.84	\$87.68
Parts	REAR CRANK SEAL - 4965569CUM	1.00000	\$213.76	\$213.76
Parts	REAR STRUCTURE SEAL - 4393176CUM	1.00000	\$191.06	\$191.06
Parts	Cam position speed sensor - 5491994cum	1.00000	\$150.38	\$150.38
Parts	Y cord for block heater - 8608059	1.00000	\$278.81	\$278.81
			Subtotal	\$6,445.35

Complaint: SUBLET TO JV MACHINE FOR FLYWHEEL RESURFACING

Item	Description	Quantity	Rate	Amount
Cause: Customer request				
(Inspection)				
Labor	Correction: Engine / Bottom End / - Completed: 1/12/2024 - Assigned tech(s): Lucas Hilliard	0.00000		\$0.00
Labor	resurface flywheel	1.00000	\$146.40	\$146.40
Subtotal				\$146.40

Unit: 131 VIN: 1NPF40X57D678936

2007 Peterbilt 378

Chassis: 1,560,258 Kilometers

Labor \$12,575.18**Parts** \$28,147.71**Shop Supplies** \$500.00**Pre-Charge Subtotal** \$41,222.89**GST**
(5% of \$41,222.89) \$2,061.14**Total** \$43,284.03**Payments & Credits** \$0.00**Balance Due** \$43,284.03

Adrenaline Diesel recommends that ALL engine projects be subject to Dyno prior to release. Dyno fees will be applied to all engine projects once completed. Customer acknowledged that by declining Dyno service, warranty may be forfeit.

Shop Supplies of up to \$700 are applicable to all service estimates even if not noted. Additional fees for fluids and testing may apply. ALL engine projects are subject to Dyno prior to release. Dyno fees may be over and above the estimate provided.

PARTS: Special Order parts may be subject to freight fees, may require a deposit and are final sale. Parts kits must be returned complete. Returns of partial kits will not be accepted. Kits must be in resalable condition. All Parts must be sent back in resalable, original packaging to qualify for credit. Cores must be returned within 30 days to be eligible for credit. Core charges will be refunded to the Customer only when the Supplier / Manufacturer accepts the core and issues credit.

Projects involving Customer supplied parts and components are subject to a 15% Parts Handling Fee that will be applied to the sub-total of the job.

Returns will not be accepted, nor processed, without a Returned Goods Authorization (RGA). Materials received without an authorized RGA will be returned to the sender at the sender's cost. Returns are subject to a minimum 15% restocking fee. Kits must be returned complete and unopened. Electronic components, used parts, and parts returned in non-saleable condition will not be accepted. Please verify with your Representative prior to purchase and prior to return.

STORAGE: Units must be authorized for repair within 48 hours of notification. After 48 hours, storage fees of \$50 / day will apply. After 7 days, Adrenaline Diesel reserves the right to remove the unit and all associated parts from our shop. Adrenaline Diesel is not responsible for loss or damage to units that are removed from our premises. Units that have been left for more than 90 days will be considered abandoned. Adrenaline Diesel is not responsible for loss or damages to vehicles remaining after 48 hours of completion. Customer acknowledges that units left for more than 48 hours after completion will be subject to additional costs for any assistance required to get the unit started. Vehicles left for more than 48 hours after completion are subject to storage fees at a minimum fee of \$50 per day.

WARRANTY: Adrenaline Diesel honors manufacturer warranty. 1 year Parts & Labour warranty from original repair commencement date unless otherwise specified. Full Warranty details are available at www.adrenalinediesel.ca/warranty.

Adrenaline Diesel is not responsible to ensure compliance of regional regulations.

Account terms are Net 30 days. Interest of 2.4% per month may be accrued and on accounts over 30 days. Warranty is subject to suspension or termination on services that are not paid within 90 days of invoice date.

Acceptable payment methods include: Cash, Visa, Mastercard, EFT, wire transfer, certified cheque, bank draft, and Company cheque accompanied by Credit Card Number. Credit card transactions are subject to a processing fee of 2.5% of the amount processed. Returned payments are subject to processing and administration fees.

GST # 846835908 RT0001



R BATKE OILFIELD LTD

RBATKE@ME.COM

UNDER HOOD CHECKLIST**Completed Date:** 1/3/2024**Unit:** 131 **VIN:** 1NPFD40X57D678936**Year/Make/Model:** 2007 Peterbilt 378**Chassis Kilometers:** 1,560,258 Kilometers (12/1/2023)**Engine Hours:** No recorded.**Service Order:** 5852**Adrenaline Diesel**

13019 - 151 Street NW

Edmonton, AB T5V 1A7, CA

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Engine: 79198444 ISX 14.9L L6 DIESEL

Procedure	Result	Procedure	Result	Procedure	Result
1. Oil Level Checked	Completed	2. Coolant level acceptable	Completed	3. Power steering fluid level acceptable	Completed
4. Bolts checked (tight) & Wires tied up (pretty)	Completed	5. Engine washed / truck clean	Completed	6. Unused parts returned	Completed
7. Mileage & truck info entered	Completed	8. Adrenaline Diesel decal placed on driver side window.	Completed	9. Truck parked and keys returned to Service Manager.	Completed

Technician: Lucas Hilliard**Digital Signature:** Lucas Hilliard**Date:** 1/3/2024