

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



Invoice: 3963

Date: 2/4/2022

Unit 130

Bill To
 R BATKE OILFIELD LTD

P: 780-812-0211

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
3321	COD	2/4/2022	RON BATKE		Radbourne, Wayne	130

Item	Description	Quantity	Rate	Amount
Inspection				
Labor	UNDER HOOD CHECKLIST: Items to check BEFORE any unit leaves the shop.	0.00000		\$0.00
Subtotal				\$0.00

Complaint: PERFORM CUMMINS INFRAME

Cause: Customer request

Labor	Correction: Engine / Bottom End / Travis- Install new piston cooling nozzles and torque to spec. Install new oil pump and torque to spec, fill with lubriplate. Install pickup tube with new o ring as well girdle/block stiffner. clean block and oil pan sealing surface, put silicone on 4 corners and install new gasket. install oil pan and torque to spec. block heater and pan heater both connected. Oil drain plug in as well. Pin engine. Clean out all head bolt holes with brake clean and blow out. Clean bottom of head, install head gasket, lower head onto block, oil all head bolts and set into place. Torque head bolts to specification. Install cam shaft. Clean cam and injector covers and install new seals. install and torque both plates to spec. wedge cam. Install cam idler gear and cam gear, set up base timing as per quickserve specifications. Replace race track seal in front cover, clean gear cover, and install cover. Torque to spec. Went to install crank sensor and found that the sensor will not stay locked in place even with red lock slid over. **New crank sensor will be required.** Installed fuel return line on the back of head. installed coolant block on pass side rear of head. Installed and torqued exhaust manifold bolts. Install egr up elbow as well as egr delete tube. Remove pin and wedge. Brake clean and blow off engine, paint apex red. Prescott - Cleaned up and painted alternator bracket and fan hub. Installed fuel injectors, rail and rocker shafts. Performed valve and brake lash. Installed injector harness and valve cover. Added nuts and ferrule to auto shutdown and fan hub. Attached charge air pipe and compressor intake pipe. Replaced crank position sensor. performed roadtest on unit after inframe and all was ok took unit to the dyno for break in - 2/1/2022	52.00000	\$150.00	\$7,800.00
Parts	OVERHAUL KIT - 5693737CUM	1.00000	\$10,115.376	\$10,115.38

Item	Description	Quantity	Rate	Amount
Parts	CYLINDER HEAD - 5658203RXCUM	1.00000	\$8,865.588	\$8,865.59
Parts	15W40 HD DIESEL OIL BULK/L - PPL HD1540B	46.00000	\$7.182	\$330.37
Parts	APEX RED PAINT, CUMMINS - 3163075	3.00000	\$42.72	\$128.16
Parts	Dirty Core for CYLINDER HEAD - 5658203RXCUM	-1.00000	\$980.10	-\$980.10
Parts	Inherent Core for CYLINDER HEAD - 5658203RXCUM	1.00000	\$980.10	\$980.10
Parts	ISX MANIFOLD END - 3683870	1.00000	\$289.275	\$289.28
Parts	WATER PIPE, LARGE - H20PIPELG	1.00000	\$325.00	\$325.00
Parts	WATER PIPE, SMALL - H20PIPESM	1.00000	\$350.00	\$350.00
Parts	Oil Pump ISX - 5599284	1.00000	\$1,437.748	\$1,437.75
Parts	apex red spray paint - 3678756	1.00000	\$16.53	\$16.53
Parts	Crank sensor - 5594575CUM	1.00000	\$44.22	\$44.22
Parts	FREIGHT - FREIGHT	1.00000	\$21.12	\$21.12
Parts	INTAKE PLUG/BLOCK PLATE (SMALL - CM2250 & CM 2350) - INTAKEPLUGSM	1.00000	\$118.55319	\$118.55
Parts	O-RING FOR INTAKE PLUG / PLATE (SM) - 138	1.00000	\$1.49	\$1.49
Parts	1/2 x 50' SPLIT LOOM - 76-9865	5.00000	\$0.608	\$3.04
Parts	3/8" SPLIT LOOM / FOOT - 76-9864RL	5.00000	\$22.8855	\$114.43
Parts	Jake brake solenoid - 3686406CUM	1.00000	\$268.95	\$268.95
			Subtotal	\$30,229.86

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

Labor	Correction: Engine / Bottom End / Cut counter bores - 1/28/2022	10.00000	\$150.00	\$1,500.00
Parts	20 THOU SHIMS - 5298564CUM	6.00000	\$97.485	\$584.91
			Subtotal	\$2,084.91

Complaint: REPLACE OIL COOLER ASSEMBLY**Cause:** Customer request

Labor	Correction: Engine / Lubrication / Removed oil cooler, replaced oil cooler element and gaskets installed oil cooler assembly - 1/28/2022	4.00000	\$150.00	\$600.00
Parts	OIL COOLER KIT - 4955831	1.00000	\$690.9435	\$690.94
Parts	OIL COOLER MOUNTING GASKET - 4376196CUM	1.00000	\$161.685	\$161.69
Parts	Oil cooler to housing gasket - 4973532CUM	2.00000	\$17.8035	\$35.61
			Subtotal	\$1,488.24

Item	Description	Quantity	Rate	Amount
Complaint: DIAGNOSE FUEL LIFT PUMP NOT WORKING (REPLACE IF NEEDED)				
Cause: Lift pump not working (Inspection)				
Labor	Correction: Engine / Electrical / Went through lift pump and lift pump relay wiring found fuel pump replay was not working replaced with used one works fine - 1/28/2022	1.50000	\$150.00	\$225.00
Subtotal				\$225.00
Complaint: Sublet to tow into shop				
Cause: Customer request (Inspection)				
Labor	Tow unit into shop	1.00000	\$244.00	\$244.00
Subtotal				\$244.00
Complaint: SUBLET TO PERFORM BREAK IN DYNO				
Cause: Customer request Type: Other (Inspection)				
Labor	DYNO	1.00000	\$764.60	\$764.60
Subtotal				\$764.60
Complaint: RESEAL REAR STRUCTURE				
Cause: Customer request (Inspection)				
Labor	Correction: Engine / Lubrication / RESEAL REAR STRUCTURE. Remove main driveshafts and hydraulic pump. Remove airlines to shift tower. Remove electrical and pinch off coolant to trans oil cooler. Pull transmission. Remove clutch and flywheel, both look good for reuse. Drain oil and remove oil pan to support block. Support block and remove rear engine mount bolts, Pull starter and flywheel housing. Recommend replace rear engine mounts, separated from frame side. Replace clutch brake from sliding clutch brake to 2-piece brake. Travis- Stab transmission, bolt it up, install rear trans mount, remove trans jack, remove steps (in order to create room to work on top of trans) install trans cooler, install shift tower, install spaghetti lines, hook up all sensors. Install clutch bolts and torque to spec. Install clutch linkage, adjust clutch. Install pump onto pto, check trans oil, hook up air lines to pto, install both driveshafts, install speed sensor. Top up engine oil, top up coolant. Install exhaust. Re install steps. Take for test drive, return check for leaks and top oil up one litre. - 2/4/2022	24.00000	\$150.00	\$3,600.00
Parts	REAR STRUCTURE GASKET - 4393176CUM	1.00000	\$156.72	\$156.72
Parts	REAR CRANKSEAL - 4965569CUM	1.00000	\$182.22	\$182.22
Parts	FREIGHT - FREIGHT	1.00000	\$21.12	\$21.12
Parts	rear engine mounts - 12448TBG	2.00000	\$671.99	\$1,343.98

Item	Description	Quantity	Rate	Amount
Parts	2 PC CLUTCH BRAKE - CB200SB	1.00000	\$50.93	\$50.93
Parts	flywheel pilot bearing - 6306LLUA1C3/2E	1.00000	\$35.44	\$35.44
Parts	GASKET, SHIFT COVER - FUL 4305294	1.00000	\$17.08	\$17.08
Parts	GASKET, CIRCULAR 4" CUMMINS - 2866636	1.00000	\$21.71	\$21.71
Parts	GASKET, AFM DEVICE - 2866337	1.00000	\$27.70	\$27.70
			Subtotal	\$5,456.90

Complaint: Phase main driveshaft

Cause: Customer request

(Inspection)

Labor	Correction: Chassis / Chassis / rephase drive shaft due to being out of phase and being removed for trans to be removed anyway - 2/3/2022	2.00000	\$150.00	\$300.00
			Subtotal	\$300.00

Complaint: Replace rear engine mounts

Cause: Customer request

(Inspection)

Labor	Correction: Engine / Bottom End / replace both rear engine mounts due to be worn out and falling apart when removing rear structure - 2/3/2022	5.50000	\$150.00	\$825.00
			Subtotal	\$825.00

Complaint: Replace cross shafts bushings

Cause: Found loose after trans removed.

(Inspection)

Labor	Correction: Transmission / Hardware / remove and replace worn out cross shaft bushings and replace worn clutch brake assembly - 2/3/2022	2.50000	\$150.00	\$375.00
Parts	cross shaft lever - 06-00715	1.00000	\$119.385	\$119.39
Parts	Release Shaft - 06-01093	1.00000	\$111.885	\$111.89
Parts	TRANSMISSION CROSS SHAFT - CS106C1498	1.00000	\$21.1035	\$21.10
Parts	Lock Nut - HWC00063	1.00000	\$5.51	\$5.51
Parts	FORK-CLUTCH RELEASE, 14X1 - CF105C137	1.00000	\$53.22	\$53.22
Parts	BUSHING - 12815	4.00000	\$9.481	\$37.92
Parts	Woodruff Key - 05-11695	1.00000	\$12.635	\$12.64
Parts	WASHER-12.7X28.58X6.35MM - W34-6021	1.00000	\$9.88	\$9.88
Parts	FREIGHT - FREIGHT	1.00000	\$21.12	\$21.12
			Subtotal	\$767.67

Unit: 130 **VIN:** 1XPWD49X3ED214789

2014 Peterbilt 388

Chassis: 775,063 Kilometers**Labor** \$16,233.60**Parts** \$26,152.58**Shop Supplies** \$500.00**Pre Tax Total** \$42,886.18**GST (5.0000% of \$42,886.18)** \$2,144.31**Total** \$45,030.49**Payments & Credits** \$0.00**Balance Due** \$45,030.49

Special order parts may be subject to freight fees, may require a deposit and are final sale. Electronic components cannot be returned. Kits may only be returned complete. Accepted returns may be subject to restocking fees. RGA's are required for all returns.

Vehicles left for more than 48 hours after completion may be subject to storage fees at a minimum fee of \$50 per day. Units that have been left for more than 90 days will be considered abandoned.

1 year Parts & Labour warranty from repair commencement unless otherwise specified. See full Warranty details at www.adrenalinediesel.ca. Customers have 48 hours upon receipt of parts to communicate any problem with the shipment.

Account terms are Net 30 days. Interest of 2% per month may be accrued and on accounts over 30 days.

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

GST # 846835908 RT0001



R BATKE OILFIELD LTD

 RBATKE@ME.COM

UNDER HOOD CHECKLIST

Completed Date: 2/1/2022

Unit: 130 **VIN:** 1XPWD49X3ED214789

Year/Make/Model: 2014 Peterbilt 388

Chassis Kilometers: 775,063 Kilometers (1/28/2022)

Engine Hours: No recorded.

Service Order: 3321

Adrenaline Diesel

13019 - 151 Street NW

Canada, AB T5V 1A7, CA

info@adrenalinediesel.ca

Engine: 79629678 2012 cummins lxx 15 CM 2250

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				

Technician: Wayne Radbourne

Digital Signature: Wayne Radbourne

Date: 2/1/2022