

KENWORTH SALES™

**4830 Donovan Way
North Las Vegas, NV 89081**

**PH: (702) 399-2424
www.kenworthsalesco.com**

Invoice: **00305W5534**
Date / Hour: 5/26/2023 6:57:15PM
Repair Order: 5534
Customer:
Branch: LASVEGAS
Total Invoice: \$ 5,242.94
Cash
Page 1 of 3

Bill To:

Ship To:

Office Phone:
Email:

DT 14-20

Customer P/O:

Open Date: 05/22/2023

Completion Date: 05/26/2023

Add User:

Salesperson:

Unit Number: 1420-67549

Model Year: 2007

Make/Model: Peterbilt

Type: Service

VIN: 1XP5D40X77D667549

Meter: 487175 Miles

Task: 1 CEL

Check Engine Light

Department: Service

Complaint: TOWED IN - CHECK & ADVISE UNIT ACTS LIKE IT RAN OUT OF FUEL BUT IT IS FULL. FUEL FILTER MAY BE STRIPPED & SUCKING AIR, NOTICES SMALL DRIPS FROM FILTER. INTERMITTENT CHECK ENGINE LIGHT

Correction: CONNECT TO TRUCK USING CUMMINS INSITE. CHECK FOR FAULT CODES. ACTIVE 0482 FUEL PRESSURE LOW DATA VALID BUT BELOW NORMAL OPERATING RANGE. OTHER TROUBLESHOOTABLE INACTIVE FAULTS ARE 2357 219 COUNTS EGR VALVE CONTROL MECHANICAL SYSTEM NOT RESPONDING OR OUT OF ADJUSTMENT AND 9121 2 COUNTS EGR VALVE ACTUATOR OVER TEMP. INSTALLED FAULTS INTO CUMMINS FAULT CODE ANALYZER. STATED TO TROUBLESHOOT 2357 THEN 482 THEN 9121. OPENED EDS CASE AND BEGAN TROUBLESHOOTING 2357. DSCCG5222. S00001620 FIND WIRING DIAGRAM TO MEASURE THE SIGNAL PIN AT THE EGR VALVE MOTOR +/- TO ALL OTHER PINS ON THE ECM CONNECTOR OF THE ENGINE WIRING HARNESS. DISCONNECT THE EGR VALVE CONNECTOR. REMOVE ECM CONNECTOR PIN 37 SENSOR SUPPLY AND 47 IS SENSOR RETURN. PIN 47 SHORTED TO: 12 16.44K, 20 16.61K, 26 15.54K, 37 14.56K, 44 16.46K. PIN 37 SHORTED TO PIN: 12 2.172K, 25 2.197K, 26 1K, 44 2.193K, 47 14.83K. PER EDS ALL MEASUREMENT SPECS ARE OL/100K OHMS. MULTIPLE RESISTANCES PRESENT. MALFUNCTIONING ENGINE WIRING HARNESS PRESENT. BEGAN TROUBLESHOOTING FAULT CODE 482. S00001476 CHECK FOR PRIMARY FAULT CODES. NO FAULT CODE LISTED PRESENT. S00002469 CHECK FOR PRIMARY LISTED FAULTS. NONE PRESENT. S00000629 CHECK FOR ENGINE STARTING OPERATION. ENGINE CRANKS BUT DOES NOT START. CHANGED SEAR TO "CRANK NO START". S00000554 REMOVE THE AIR FILTERS. AIR FILTERS DO SHOW SIGNS OF DIRT BUT ARE NOT PLUGGED. S00001217 VERIFY ADEQUATE FUEL LEVEL IN TANK. TANK APPROXIMATELY 7/8 FULL. USING CUMMINS CHECKED PARAMETER USER FUELING STATE. WHILE ADDING PARAMETER ERROR CODE: ERROR NUMBER: 9006 AN ERROR OCCURRED WHILE ADDING PARAMETERS TO THE MONITORING/LOGGING SESSION. BECAME PRESENT. GOT WITH SENIOR CUMMINS TECH, INSPECTED FUEL LINES TO FILTERS. NO KINKS FOUND. INSPECTED FOR EXTERNAL LEAKS FOUND ENGINE SIDE FILTER WITH RESIDUE PRESENT. CHECKED TIGHTNESS OF BOTH PRIMARY AND SECONDARY FUEL FILTERS. BOTH TIGHT. FURTHER TROUBLESHOOTING WILL NEED TO BE PERFORMED. FUEL FAULT RELATED TO EGR VALVE FAULT. REPAIR TO REPLACE ENGINE SIDE ENGINE HARNESS, VERIFY FILTER/REPLACE, PERFORM VERIFICATION. FIND HARNESS IN HALLWAY. CUT ZIP TIES. REMOVE INTAKE HORN TO GAIN ACCESS. REMOVE BRACKET NEAR OIL DIPSTICK FOR ACCESS. REMOVE HARNESS. INSTALL NEW HARNESS. REMOVE AND REPLACE FUEL FILTER. FILTER EXCESSIVELY TIGHT. REINSTALL BRACKET, AND INTAKE HORN. CONNECT TO TRUCK USING CUMMINS INSITE. FAULT FOR LOW FUEL PRESSURE STILL ACTIVE. WITH KEY ON LIFT PUMP RUNNING FUEL PRESSURE IS MEASURED. FUEL PRESSURE AT LIFT PUMP ~11.2-14.3PSI. WITHIN SPEC. CRANKED ENGINE ONLY BUILDS TO 28PSI. GOT ASSISTANCE FROM SENIOR TECH TO START TRUCK. HIGH PRESSURE PUMP ONLY BUILDING 70PSI. OUT OF SPEC. MULTIPLE ATTEMPTS WERE PERFORMED WITH STARTING AIDE. WILL NOT RUN ON ITS OWN. ESTIMATED FUEL PUMP. HARNESS HAS REPAIRED ALL OTHER FAULTS AND ALLOWS FUEL PRESSURE TO BE MEASURED. FUEL RAIL STATE REPORTS PROPERLY. REMOVE SENSOR CONNECTORS. REMOVE THE FUEL LINE AT THE PUMP. REMOVE 4 MOUNTING BOLTS TO THE PUMP. REMOVE THE PUMP. INSTALL NEW PUMP AND TIGHTEN. INSTALL FUEL LINE, INSTALL SENSOR CONNECTORS. START TRUCK AND RUN. SLIGHT FUEL KNOCK, BARELY NOTICEABLE PRESENT. PERFORM INJECTOR CUT OUT TEST. CYL1 SLIGHT NOISE. PRESENT. CHECKED FAULT CODES, ACTIVE FAULT 449 FOR RAIL PRESSURE DATA VALID BUT TOO HIGH. CHECK TROUBLESHOOTING ON QSOL. WITH ENGINE RUNNING AND RESTRICTION GAUGE INSTALLED AT FUEL DRAIN LINE. MEASURED .4 IN HG. WITHIN SPEC. INSTALL MECHANICAL GAUGE AT THE PRESSURE COMPUCHECK FITTING. GAUGE MEASURED 345PSI CUMMINS INSITE MEASURED 341PSI. WITHIN RANGE. REPLACE FUEL REGULATOR 250PSI. GOT WITH SENIOR TECH HAD A SPARE 250PSI REGULATOR, REMOVED REGULATOR INSTALLED TEST REGULATOR. RAN TRUCK FOR 5 MINUTES, FAULT WENT INACTIVE. SUGGEST REPLACEMENT OF 250PSI FUEL REGULATOR. REMOVE TEST 250PSI PRESSURE REGULATOR. INSTALL NEW REGULATOR. CLEAR FAULTS RUN TRUCK TO WASH BAY PRESSURE WASH OFF

Supp.	Part	Description / Ref Number	U/M	Quantity	Price	Extended Price
	4009956CUM	REGULATOR-VALVE PRESSURE	EA	1.0	\$187.30	\$187.30

IN STOCK

** See Last Page for Invoice Total **



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Office Phone:
Email:

Customer P/O:		Open Date: 05/22/2023		Completion Date: 05/26/2023	
Add User:		Salesperson:			
407685600 D	PUMP-GEAR FUEL KIT CORE	EA	1.0	\$156.25	\$156.25
4089163RXCUM	PUMP-GEAR FUEL KIT	EA	1.0	\$746.50	\$746.50
4926071CUM	HARNESS ETR CNT MDL WRG	EA	1.0	\$1,306.94	\$1,306.94
LOCAL PDC					
FF2200FLG	FILTER-FUEL	EA	1.0	\$31.99	\$31.99
Env Fee	Environmental Service Charge		1.0	\$10.00	\$10.00
Hookup Fee	Computer Hookup Fee		1.0	\$50.00	\$50.00

Detail Tax Info:

Clark NV County Tax	\$101.92
Nevada NV State Tax	\$124.20
Total:	\$226.12

Total Parts:	\$2,272.73
Total Core Charge:	\$156.25
Total Labor:	\$2,257.00
Total Miscellaneous:	\$60.00
Total Shop Supplies:	\$270.84
Invoice Subtotal:	\$5,016.82
Total Tax:	\$226.12
Total Invoice:	\$5,242.94

<u>Payment Method</u>	<u>Terms</u>	<u>Due Date</u>
Cash	CASH	5/26/2023

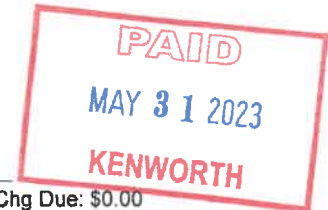
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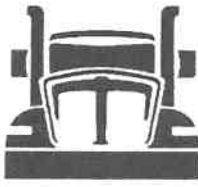
Kenworth Sales Company, Inc - Las Vegas
Dept. #001
PO Box 27088
Salt Lake City, UT 84127-0088

Paid With: Cash
Amount Due: \$5,242.94

Amount Received: \$5,242.94

Chg Due: \$0.00





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Page 3 of 3

Bill To:

Ship To:

Office Phone:
Email:

Customer P/O:

Add User: astrain

Open Date: 05/22/2023

Completion Date: 05/26/2023

Salesperson:

The customer ("Customer") acknowledges inspecting the repairs performed by Kenworth Sales Co., Inc. ("Seller") on Customer's equipment ("the Equipment") and accepts the 2.00 same in satisfaction of the repairs requested by Customer from Seller ("the Repairs"). As consideration for the Repairs Customer agrees to the following terms and conditions. Customer will pay the total amount due, together with a service charge of 1-3/4% per month (21% per annum) on all amounts remaining unpaid after the 10th of the month following receipt, with a minimum charge of \$15.00, and a daily storage fee of \$30.00 for each piece of Equipment remaining with Seller 30 days after 1) completion of authorized repairs or 2) cessation of repairs/service for any reason. Customer will pay all collection costs including a reasonable attorney's fee, and hereby waives all claims or rights to claim exemptions under applicable state laws. Customer grants Seller an express Repairman's Lien on the Equipment for the value of the parts and any services provided and warrants that no 3rd party holds a superior lien on the Equipment except as disclosed by Customer. Any warranties on the product(s) sold hereby are those of the manufacturer. Warranty claims must be submitted within 30 days of discovery of defect. Seller disclaims all warranties, either express or implied, including any implied warranty of merchantability or fitness for a particular purpose. Seller neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of the merchandise or services hereunder. Claims for adjustments or credits must be made within ten (10) days of the date of this document and must be accompanied by a complete copy of this document. Customer acknowledges that in the course of performing the Repairs, Seller may have connected the Equipment to Original Equipment Manufacturer ("OEM") approved electronic equipment, and that such tool may reset the operating parameters of the Equipment to OEM required settings. Customer accepts any and all risks that may occur in the event of a conflict between such original OEM settings and any post-production modifications made by Customer to the Equipment. Customer releases Seller from liability for any damages to the Equipment or its contents due to loss, theft, destruction, or causes other than gross negligence, and further releases Seller from liability for down time, damage to cargo, or other damage related to delays in completing the requested repairs and/or delay in obtaining parts.

Customer Signature: _____

ESTIMATE AND ASSESSMENT OF REPAIRS



KENWORTH SALES



CAT.

CUSTOMER		PHONE #	E-MAIL			
VIN#	Make	Model	Year	Unit#	Mileage	
667549	PETE		2007	1420	487,175	
RO#	Date					
5534	05.23.23					

Op#	Severity level	DESCRIPTION OF REPAIRS NEEDED	Auth	Labor Hrs	Misc \$	Parts \$	Sub Total \$
1		CHECK ENGINE LIGHT DIAGNOSTICS - FAULTS 2357 & 0482		2.0			\$370.00
3		PERFORMED ALL REQUIRED TESTING. FOR FAULT 2357, FOUND		6.0			\$1,110.00
4		MALFUNCTIONING ENGINE HARNESS DETECTED. FOR FAULT					
5		0482 FOUND FUEL LEAKING FROM FUEL FILTER. RECOMMEND					
6		REPLACING FILTER & HARNESS, FOLLOWED BY VERIFICATION					
7		TESTING					
8							
9		* FILTER				\$31.99	\$31.99
10		* HARNESS				\$1,306.94	\$1,306.94
11		* HOOKUP FEE					
12							
13		AFTER FUEL FILTER WAS REPLACED THE FUEL RAIL STATE		2.5			\$462.50
14		IS NOW REPORTING PROPERLY, HOWEVER, THE FUEL GEAR					
15		PUMP IS NOT BUILDING ADEQUATE PRESSURE. RECOMMEND					
16		REPLACING PUMP THEN VERIFY REPAIRS					
17							
18		* GASKET				\$54.17	\$54.17
19		* PUMP				\$746.50	\$746.50
20							
21		DIAGNOSTICS FOR FAULT 0449 LOGGED AFTER FUEL PUMP		1.0			\$185.00
22		REPLACEMENT. DIAGNOSED & FOUND 250 PSI REGULATOR					
23		NEEDING REPLACED					
24							
25		* REGULATOR		0.7		\$187.30	\$316.80
26							
27							
28							

Labor Rate \$185.00 Per Hour

In Shop Date

In Shop Time

Estimated Completion Date & Time

The above is an estimate only, not an exact quote and is based on our inspection, and does not cover additional parts or labor which may be required after the work has been opened up. Occasionally after work has started, worn or damaged parts are discovered which are not evident on first inspection. Quotations on parts and labor are current and subject to change.

Labor	\$2,257.00
Parts	\$2,326.90
Misc.	\$125.00
Sublet	
Supplies	\$270.84
Freight	
Core	
Tax	\$228.03
Env. Fee	\$10.00
Total	\$5,217.77

Authorized By:

Shel Ahlert

Date: 5/26/23

ESTIMATE AND ASSESSMENT OF REPAIRS



KENWORTH SALES



CAT.

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VIN#		Make	Model	Year	Unit#
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RO#	Date				
5534	05.23.23				
		Mileage 487,175			

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3		PERFORMED ALL REQUIRED TESTING. FOR FAULT 2357, FOUND		6.0			\$1,110.00
4		MALFUNCTIONING ENGINE HARNESS DETECTED. FOR FAULT					
5		0482 FOUND FUEL LEAKING FROM FUEL FILTER. RECOMMEND					
6		REPLACING FILTER & HARNESS, FOLLOWED BY VERIFICATION					
7		TESTING					
8							
9		* FILTER				\$31.99	\$31.99
10		* HARNESS				\$1,306.94	\$1,306.94
11		* HOOKUP FEE					
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Labor	\$1,942.50
Parts	\$2,139.60
Misc.	\$125.00
Sublet	
Supplies	\$233.10
Freight	
Core	
Tax	\$209.18
Env. Fee	\$10.00
Total	\$4,659.38

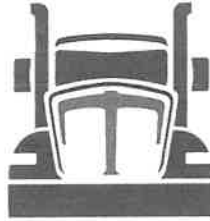
Authorized By:

Shit Ahlt

Date:

5/25/23

ESTIMATE AND ASSESSMENT OF REPAIRS



KENWORTH SALES



CAT.

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VIN#		Make		Mileage	
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Labor Rate \$185.00 Per Hour

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Labor	\$1,480.00
Parts	\$1,338.93
Misc.	\$125.00
Sublet	
Supplies	\$177.60
Freight	
Core	
Tax	\$137.48
Env. Fee	\$10.00
Total	\$3,269.01

Authorized By:

Date: 01/24/23

ANNUAL VEHICLE INSPECTION REPORT

VEHICLE HISTORY RECORD

REPORT
NUMBER

FLEET UNIT NUMBER

DATE

01/25/2024

MOTOR CARRIER OPERATOR

INSPECTOR'S NAME (PRINT OR TYPE)

ADDRESS

THIS INSPECTOR MEETS THE QUALIFICATION REQUIREMENTS IN SECTION 396.19.

☒ YES

CITY, STATE, ZIP CODE

VEHICLE IDENTIFICATION (✓ AND COMPLETE) ☒ LIC. PLATE NO. ☐ VIN ☐ OTHERVEHICLE TYPE ☐ TRACTOR ☐ TRAILER ☒ TRUCK ☐ BUS
☐ (OTHER)

INSPECTION AGENCY/LOCATION (OPTIONAL)

VEHICLE COMPONENTS INSPECTED

OK	NEEDS REPAIR	REPAIRED DATE	ITEM	OK	NEEDS REPAIR	REPAIRED DATE	ITEM	OK	NEEDS REPAIR	REPAIRED DATE	ITEM
			1. BRAKE SYSTEM				6. SAFE LOADING				12. WINDSHIELD GLAZING
✓			a. Service Brakes	✓			a. Vehicle parts, load, dunnage, spare tire, etc., secured.	✓			No cracks, discoloration, obstacles, etc. (see 393.60 for exceptions).
✓			b. Parking Brake System	✓			b. Front End Structure				13. WINDSHIELD WIPERS
✓			c. Brake Drums or Rotors	✓			c. Intermodal Container Securement Devices	✓			No missing, damaged, or inoperable wipers.
✓			d. Brake Hose	NA			7. STEERING MECHANISM				14. MOTORCOACH SEATS
✓			e. Brake Tubing				a. Steering Wheel Free Play	✓			Seats securely fastened to the vehicle structure.
✓			f. Low Pressure Warning Device				b. Steering Column				15. REAR IMPACT GUARD
✓			g. Tractor Protection Valve	✓			c. Front Axle Beam/All Other Steering Components	NA			In place, securely attached, proper size, proper placement (see 393.86).
NA			h. Air Compressor	✓			d. Steering Gear Box				16. OTHER
NA			i. Electric Brakes	✓			e. Pitman Arm				List any other condition(s) which may prevent safe operation of this vehicle.
NA			j. Hydraulic Brakes	✓			f. Power Steering				NONE
✓			k. Vacuum Systems	✓			g. Ball and Socket Joints				
✓			l. Antilock Brake System	✓			h. Tie Rods and Drag Links				
✓			m. Automatic Brake Adjusters	✓			i. Nuts				
			2. COUPLING DEVICES				8. SUSPENSION				
✓			a. Fifth Wheels	✓			a. Axle Positioning Parts				
✓			b. Pintle Hooks	✓			b. Spring Assembly				
✓			c. Drawbar/Towbar Eye	✓			c. Torque, Radius or Tracking Components				
✓			d. Drawbar/Towbar Tongue	✓			9. FRAME				
✓			e. Safety Devices	✓			a. Frame Members				
✓			f. Saddle-Mounts	✓			b. Tire and Wheel Clearance				
			3. EXHAUST SYSTEM				10. TIRES				
✓			a. No leaks forward of/ directly below the driver/sleeper compartment.	✓			a. Steer-Axle Tires				
NA			b. Bus: No leaking/ discharging in violation of standard.	✓			b. All Other Tires				
✓			c. Unlikely to burn, char, or damage the electrical wiring, fuel supply, or any combustible part of vehicle.	✓			c. Speed-Restricted Tires				
			4. FUEL SYSTEM				11. WHEELS AND RIMS				
✓			a. No visible leak.	NA			a. Lock or Side Ring				
✓			b. Fuel Tank Filler Cap	✓			b. Wheels and Rims				
✓			c. Fuel tank securely attached.	✓			c. Fasteners				
			5. LIGHTING DEVICES				d. Welds				
✓			All required lights/reflectors operable.	✓							

INSTRUCTIONS: MARK COLUMN ENTRIES TO VERIFY INSPECTION: ✓ OK, X NEEDS REPAIR, NA IF ITEMS DO NOT APPLY, _____ REPAIRED DATE

CERTIFICATION: THIS VEHICLE HAS PASSED ALL THE INSPECTION ITEMS FOR THE ANNUAL VEHICLE INSPECTION IN ACCORDANCE WITH 49 CFR PART 396.