

Tax Status	Terms	P.O.#	Service Date	Invoice Date
TAX	CASH	N/A	1/07/2020	1/16/2020



Serial Number	Unit Number	Make / Model	Year	License Number	Mileage
1XKAD49X3AJ264152	10	KW/T660	2010		951642

#### OPERATION 1

COMPLAINT: DIES QUICKLY AFTER STARTING

VMRS CODE: 01-045-002-072-13-12

CORRECTION: OTHER MNT REPAIR-ENGINE - COMPLETE-CYLINDER BLOCK & CRANKCASE-BROKEN

WENT TO START TRUCK, WAS DEAD. JUMPED TRUCK. WAS RUNNING BUT VERY ROUGH. DISCONNECTED METERING AND TIMING ACTUATORS ONE AT A TIME, COULD TELL THE DIFFERENCE. CHECKED TO SEE IF TRUCK WAS SUCKING AIR, NO AIR BEING INGESTED. COULD HEAR ENGINE MISSING. REMOVED AIR FILTER AND VALVE COVER, FOUND 1&6 ROCKERS PITTED AND BOTH CAMS PITTED ALONG WITH VALVE ROCKERS. ALSO NOTICED LEFT HAND RETURN FUEL LINE LEAKING. DRAINED COOLANT. RECOVERED WHAT WAS LEFT OF REFRIGERANT. NOTICE LEAK AT CONDENSOR, ONLY RECOVERED .87LBS FREON. REMOVED RADIATOR, FRONT COVER, ROCKERS, CAMS, AND VIBRATION DAMPER. DRAINED OIL. REMOVED OIL PAN. REMOVED PICK UP TUBE. REMOVED BLOCK STIFFENER. HEAT UP OIL PUMP BOLTS TO GET THEM TO BREAK LOOSE. DROPPED MAINS 1 AND 4. NEEDS NEW BEARINGS. REMOVED #4 ROD BEARINGS, NEEDS THEM TOO. REPLACED ROD BEARINGS. REMOVED FRONT MAIN AND BOTTOM COVER. CLEANED UP GEARS AND HOUSING. FINISHED REMOVING FUEL PUMP HOUSING. REPLACED MAINS AND CLEANED ROCKERS. FINISHED MAINS AND ASSEMBLING ROCKERS. CLEANED OFF HEAD. INSTALLED VALVE CAM. INSTALL INJECTOR CAM. INSTALLED LOWER COVER PLATE AND FRONT MAIN. CLEANED PARTS AND INSTALLED DAMPER. INSTALLED VALVE ROCKERS AND INJECTOR ROCKERS. RAN AN OVERHEAD. INSTALLED FUEL PUMP HOUSING. INSTALLED OIL PAN AND OIL FILTER. POUR OIL IN FROM THE TOP TO LUBE EVERYTHING UP. INSTALLED INTAKE AND INSTALLED FRONT COVER ALONG WITH FAN HUB AND BELTS. INSTALLED RADIATOR. FILLED COOLANT. REPLACED RECEIVER DRYER. CHARGE REFRIGERANT TO 4LB. PRIME THE AIR OUT OF THE FUEL SYSTEM. TOPPED OFF OIL. RAN TO OPERATING TEMP, ENGINE DIES ONCE WARMED UP. HAS FAULT 1117 FOR POWER LOSS WITH IGNITION ON. CHECKED VOLTAGE TO ECM, GOOD VOLTAGE. ECM IS INTERNALLY

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OPERATION 1

SHORTING OUT ONCE IT GETS WARMED UP. LET TRUCK COOL OFF OUTSIDE AFTER IT COOLED OFF TRUCK RAN FINE BUT ONCE IT HEATED UP AGAIN IT DIES. UNPLUGGED OLD ECM AND PLUGGED TEST ONE IN AND LET IT IDLE TO SEE IF IT WILL DIE. GOT TRUCK TO OPERATING TEMP, RAN FOR 2 HRS NEVER DIED. TEST DROVE TRUCK TO EMERALD AND BACK, NEVER DIED. REPLACED COOLANT RESERVOIR. CUSTOMER SUPPLIED NEW ECM, INSTALLED NEW ECM. CHANGED PARAMETERS BUT THROWING FAULTS FOR VGT ACTUATOR. BELIEVE THE DELETE GUY PUT THE WRONG CALIBRATION

5484228CUM	LEVER, ROCKER	1
5484230CUM	LEVER, ROCKER	1
5484229CUM	LEVER, ROCKER	1
5484231CUM	LEVER, ROCKER	1
4298626CUM	CAMSHAFT	1
3684306CUM	CAMSHAFT	1
4962721CUM	SEAL-RECTANGULAR STRIP	1
4962722CUM	SEAL-RECTANGULAR STRIP	1
D66-1103-205	PIPE-AIR INTAKE 90DEG	1
B9226-0406TRP	CLAMP-HOSE SPRING LOAD	1
4070-0001FX	4.00" ID x 6.00" OAL	1
3679931CUM	SEAL-O RING	1
4299124CUM	SEAL-O RING	1
4299125CUM	SEAL-REAR ORING	1
3679932CUM	SEAL,O RING	1
2892720CUM	TUBE-DRAIN LUBE OIL	1
4965689CUM	GASKET-CONNECTION FUEL	1
3678756CUM	SEAL-O RING	1
4026684CUM	GASKET-OIL PAN	1
4955383CUM	SEAL-OIL	1
K251-571	FILTER-FREON	1
RF98400142	CONDENSER/KENWORTH	1
3102651CUM	SCREW, HEX FLANGE HEAD	3
5406110CUM	KIT-MAIN BEARING	1
4089405CUM	BEARING-ROD (SET)	6
LF14000NNFLG	FILTER-OIL	1
RF1135298	PRO-SERIES NON-CHLRNTD	2
9158IMP	GASKET MAKER 50ml TU	1
9166IMP	ULTRA GREY RTV SILIC	1
5484231CUM	LEVER, ROCKER	1
4311990CUM	LEVER, ROCKER	2
4985661CUM	SEAL-RING RECTANGULAR	1
4985660CUM	SEAL-RECTANGULAR RING	1
105FBC	GREASE-MOTOR ASSY 10 O	1
3678770CUM	GASKET-CONNECTION	1
105FBC	GREASE-MOTOR ASSY 10 O	1
RF1135298	PRO-SERIES NON-CHLRNTD	1
105FBC	GREASE-MOTOR ASSY 10 O	1
3104392CUM	GASKET-VALVE COVER ISX	1
D84-1000-6122215	BELT-POLY 12 RIBS X 22	1
D84-1000-6061620	BELT-POLY 6 RIBS X 162	1
KPNBCB1220-Y200392	COUPON - \$2 OFF PAC B	2

Customer Copy

CONTINUED

CASH

N/A

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1/16/2020

OPERATION 1

SUBLET LABOR	CAM BUSHINPO#1526711	1
B9226-0406TRP	CLAMP-HOSE SPRING LOAD	1
12602IMP	FLAT WASHER M6	2
15118IMP	HEX CAP 10.9 M6-1.0X	2
15172IMP	HEX CAP 10.9 M10-1.5	2
91200IMP	A/B UNION 1/4 PUSH I	5
ST6001	TANK-ASSY SURGE OE N53	1
KPNBCB1220-Y200417	COUPON - \$5 OFF SURGE	1
PC DIAGNOSTIC	MACHINE PC DIAGNOSTI	1
M0B10W30	MOBIL DELVAC 10W30 BUL	12

Par

Total Operation 1 -- 14,094.74

OPERATION 2

COMPLAINT: CVI  
VMRS CODE: 01-999-999-999-01-00  
CORRECTION: ADJUST-TOTAL VEHICLE-TOTAL VEHICLE-NO FAILURE

Customer

**Labor Total**  
**Parts Total**  
**Sublet**  
**Shop Supplies**  
**Coupons**  
**Sales Tax**  
**Machine Charge**

Customer Copy

**TOTAL DUE**

14,928.38

Date	Invoice #
9/15/2024	25067

P.O. Number	TERMS	MILEAGE	VIN#	TECH
09' KENWORTH	Due on receipt	1,071,948	264152	

Quantity	Item Code	Description	Price Each	Amount
	Complaint	Work to be done: A/C NOT WORKING THINKS IT JUST NEEDS CHARGED, CHECK ENGINE LIGHT, OVERHEATING, AND PUT 2 GALLONS OF ANTI FREEZE IN CAB (CALL WITH FINDINGS BEFORE THE REPAIRS ARE MADE) 402-366-0718 JACK CELL # ***** 8AM THURSDAY *****		
1	COMPUTER SCAN	HOOK UP SCANNER & READ ECM		
1	4921519	PRESSURE SENSOR		
1	5462277NX	PRESSURE SENSOR		
1	Core Charge	Core Charge On Part		
-1	Core Charge	Core Charge On Part		
1	50951	A/C O-RING		
1	50933	A/C O-RING		
1	650697BSM	HIGH PRESSURE SWITCH		
1	652578BSM	LOW PRESSURE SWITCH		
2	CN10800	CONNECTOR		
2	CN41050	2 WAY LOCK		
4	CN26400	TERMINAL		
1	F50-1309-0725X04...	A/C HEAD LINE		
1	FREIGHT IN	FREIGHT IN		
2	26473	HOLE CLAMP		
2	11751	NUT		
2	429931	SCREW		
1	EA15000	EXPANSION VALVE		
1	50951	A/C O-RING		
2	50953	A/C O-RING		
1	50955	A/C O-RING		
2	26683	CABLE TIE		
2	409500	OIL-A/C PER OUNCE		
3	R134AJ	R134A PER POUND		
2	Final Charge	Red Coolant- Extended Life per gallon - bulk	carry out	
9.4	Shop Supplies	Shop Supplies/ per labor hour		

THANK YOU, PLEASE PAY FROM INVOICE! NO STATEMENT WILL BE SENT.

**Total**

Date	Invoice #
9/15/2024	25067

P.O. Number

TERMS

MILEAGE

VIN#

TECH

09' KENWORTH

Due on receipt

1,071,948

264152

Quantity	Item Code	Description	Price Each	Amount
9.4	Mechanic Hours	Mechanic Hours to scan unit for codes, Replace pressure sensors on manifold and clear out codes to test drive unit to confirm engine light did not come back on. Check out a/c system and found system low. Pressure up with nitrogen and line outside of frame blew out under pressure from rust. Remove lines to remove expansion valve and pressure switch's to replace o-rings, Install new line and pressure switch's to install expansion valve. Remove condenser from charge air cooler and remove charge air cooler from radiator to wash out radiator, Charge air cooler and condenser. Blow water out of cores and reassemble components to hook up charge air tubes and condenser lines to vacuum down a/c system to leak test. Charge with freon and oil to run engine to check standing operation. Test drive unit to confirm road operation and complete repairs. Thank You! Sales Tax		

THANK YOU, PLEASE PAY FROM INVOICE! NO STATEMENT WILL BE SENT.

**Total**

\$2,790.01

Date	Invoice #
12/6/2024	25828

P.O. Number		TERMS	MILEAGE	VIN#	TECH	
KENWORTH		Due on receipt	1,072,910	264152		
Quantity	Item Code	Description			Price Each	Amount
	Complaint	Work to be done: HAS BATTERY POWER BUT WILL NOT CRANK, SERVICE CALL TO ROAD 22 AND ROAD G *****1PM*****WEDNESDAY				
1	DR-8200308	STARTER				
1	Service Call	Road Service Call				
54	Miles on Serv Call	Miles Traveled on Service Call				
4.52667	Shop Supplies	Shop Supplies/ per labor hour				
4.52667	Mechanic Hours	Mechanic Hours to travel to farm to check out no start, Return to shop to get new starter and return to farm to remove battery cables and connections at starter motor to replace starter motor on engine and hook up cables and wires. Hook up batteries to confirm operation of cranking system and complete repairs to return to shop. Thank You! Sales Tax				
THANK YOU, PLEASE PAY FROM INVOICE! NO STATEMENT WILL BE SENT.					<b>Total</b>	\$1,494.20

Date	Invoice #
3/31/2024	24155

P.O. Number	TERMS	MILEAGE		VIN#	TECH
KW/TRAILER	Due on receipt	1,071,087		AJ264152	
Quantity	Item Code	Description		Price Each	Amount
	Complaint	Work to be done: BOTH ABS LIGHTS ON TRUCK AND TRAILER . DOT INSPECTION BOTH, AIR FILTER HOUSING IS CRACKED - FIX OR REPLACE, CHECK FUEL TANK FOR A LEAK, CHECK AND FIX A/C, SERVICE AIR DRYER, FIND USED TOW HOOK FOR THE TRUCK (SALVAGE YARD) 402-366-0718 JACK 402-366-2646 CALL JOE IF MAJOR *** 8AM TUESDAY ***			
1	USED TOW HOOK	K.W. TOW HOOK			
1	FREIGHT IN	FREIGHT IN			
6	REV-RM-T03	PREMIUM AXLE SEAL			
6	STM/300-4009	OIL HUB CAP (METAL)			
3	HLD/51830024	S-CAM BUSHING KIT			
3	HLD/51830005	S-CAM RIGHT HAND			
3	HLD/51830004	S-CAM LEFT HAND			
6	WIS/WK4707Q-23...	BRAKE SHOE KIT			
6	DB1657B	DRUM HD			
2	ABP/N42AS-R801...	BRAKE SLACK ADJUSTER			
5	10047	HUB OIL PER QUART			
36	429918	SCREW			
6	MAE-66893	HD SHOCK			
1	DN/P616056	AIR FILTER			
1	ABP/N20-795568N	FAN HUB REBUILD KIT			
6	94145	3/8 FINE NUT			
6	95307	3/8 LOCK WASHER			
1	X009776	SCREW			
1	X009384	PUSH NUT KIT			
2	22115	TRIPLE MALE SHELL			
2	22114	TRIPLE FEMALE SHELL			
11	22105	WIRE SEAL (2 bin locations)			
6	22100	FEMALE WEATHER PACK			
6	22102	MALE WEATHER PACK			
1	HDE/R109994P	AIR DRYER CARTRIDGE			
1	BW/K022105	PURGE VALVE KIT			
1	DN/P550867	COOLANT FILTER			

THANK YOU, PLEASE PAY FROM INVOICE! NO STATEMENT WILL BE SENT.

Date	Invoice #
3/31/2024	24155

P.O. Number	TERMS	MILEAGE	VIN#	TECH
KW/TRAILER	Due on receipt	1,071,087	AJ264152	

Quantity	Item Code	Description	Price Each	Amount
8	K06908	HOSE PER FOOT		
7	K06910	HOSE PER FOOT		
4	24708N608	FEMALE SWIVEL FITTING		
1	49X8X8	1/2-1/2 MALE ELBOW		
2	48X8X8	1/2-1/2 MALE CON		
4	24710N610	FEMALE SWIVEL FITTING		
4	95008	1/4 FLAT WASHER		
2	94306	1/4 NYLON NUT		
2	90008	1/4 BOLT		
12	337526	SCREW		
1	SR2000059	FRESH AIR FILTER		
1	K84-1013-008	FUEL TANK STRAP		
1	CM10023940	ABS SENSOR BRACKET		
2	K22-1029	FUEL CAP		
3	90-00334	FUEL CAP GASKET		
4	K161-934-11	TANK LINING SADDLE SIDE (per one)		
3	K161-793-22	TANK LINING STRAP SIDE (per one)		
4	H-176	FUEL LINE HOSE PER FOOT		
4	373908	1/2 FLAT WASHER		
4	66028	METRIC NUT		
4	66228	METRIC LOCK NUT		
1	TDA/R955342	ABS SENSOR		
1	STM/330-3106	DRIVE AXLE GASKET		
1	REV-RM-D02	PREMIUM WHEEL SEAL		
1	ABP/10081520	SPACER CONE		
1	GTD/2252-1	FUEL RETURN VALVE		
6	26682	CABLE TIE		
1	D4025-3403	FUEL DRAW TUBE		
1	K22-1029	FUEL CAP		
55.66667	Shop Supplies	Shop Supplies/ per labor hour		

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**Total**

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3/31/2024	24155

P.O. Number

TERMS

MILEAGE

VIN#

TECH

KW/TRAILER

Due on receipt

1,071,087

AJ264152

Quantity	Item Code	Description	Price Each	Amount
55.66667	Mechanic Hours	Mechanic Hours to check over tractor and trailer. Get tow hook for unit, Back off brakes on trailer axles to remove wheels and brake drums, Remove brakes and hardware, Wheel hubs and bearings to clean and inspect bearings. Remove slack adjusters and s-cams to remove bushings from axles and clean mounts to install bushings and new s-cams, Replace slack adjusters as needed. Install clevis pins and grease bushings and slack adjusters. Press out anchor pins and press in new pins to install brakes and hardware. Reassemble wheel hubs to torque bearings and fill hubs with oil to install new brake drums and install wheels to adjust up brakes. Replace shocks on all trailer axles, Scan and clear ABS codes to pull trailer to confirm operation and unhook to work on tractor. Remove air filter from housing and repair housing to install new air filter, Check out air leak on fan hub and remove belts and air line to remove fan hub to disassemble and install master rebuild kit and reassemble back onto engine to install belt and hook up supply air to run engine to confirm operation. Drain coolant from engine to replace hoses and clamps as needed, Replace coolant filter and refill system to run engine through heat cycle to confirm operation check for leaks. Back off brake on drive axle to remove wheels and brake drum. Scan ABS to find sensor code. Remove axle shaft and wheel hub to replace sensor mounting bracket and sensor, Repair wiring and install new seal in hub, Clean and inspect bearings to reassemble hub and torque bearings. Install axle shaft and fill hub with oil to install brake drum and wheels to spin wheel and confirm operation of sensor to clear codes. Replace air dryer cartridge and unloader valve to build air to confirm operation of air dryer and check for leaks. Check air flow on HVAC system and replace cabin filter to get good flow out of vents. Check out fuel tank issues, Pump out tanks, Remove fuel lines and replace return valve to swap fittings into new valve. Make new fuel lines, Remove tanks to have both tanks repaired and install new stinger and fittings to hook up new lines and pump fuel back into tanks to prime system and run engine to check for leaks. Hook to trailer and test drive unit to confirm operation and complete repairs. Thank You!		

THANK YOU, PLEASE PAY FROM INVOICE! NO STATEMENT WILL BE SENT.

Total

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3/31/2024	24155

P.O. Number

TERMS

MILEAGE

VIN#

TECH

KW/TRAILER

Due on receipt

1,071,087

AJ264152

Quantity

Item Code

Description

Price Each

Amount

Sales Tax

THANK YOU, PLEASE PAY FROM INVOICE! NO STATEMENT WILL BE SENT.

**Total**

\$15,565.58