

Dan's Diesel Inc
 14250 135 Ave NW
 Sunburg, MN 56289
 dansdiesel2@yahoo.com
 320-264-5852



Invoice: SUN-50853
Date: 12/21/2022

Bill To
KOHOUT TRUCKING.
 405 Sunrise Drive
 Olivia, MN 56277
 P: (320) 444-4108

Remit Payment To
DANS DIESEL INC
 14250 135 Ave NW
 Sunburg, MN 56289

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SUN-29582	Net 30	1/20/2023	JIM KOHOUT	IBS 802355	LANTTO, PAT	13

Item	Description	Quantity	Rate	Amount
Inspection				
Labor	QUALITY CHECK: QUALITY CHECK			\$0.00
			Subtotal	\$0.00

Complaint: R&R BRAKE PADS & ROTORS

Cause: Customer request

Item	Description	Quantity	Rate	Amount
Labor	Correction: Chassis / Air Brake / BACKED TRUCK INTO SHOP, LIFTED REAR AXLES AND PUT THEM ON JACK STANDS, PULLED ALL THE TIRES OFF, BACKED OFF ALL BRAKES, REMOVED PADS, SAW 3 OF THE ROTORS WERE SHOT, REMOVED CALIPER BRACKETS AND PULLED HUBS OFF, UNBOLTED ROTORS AND HAD TO IT THEM WITH A HAMMER TO GET THEM OFF, BEARINGS WERE SHOT AS WELL, POUNDED RACES OUT OF HUBS, CLEANED UP HUBS REALLY GOOD, PUNDED NEW RACES IN, THEY WENT I HARD, PUT THE INNER BEARING AND WHEEL SEAL IN, PUT NEW ROTOR ON WITH NEW HARDWARE, PUT HUBS BACK ON, TORQUED AXLE NUTS, PUT CALIPER BRACKETS BACK ON, NEW PADS WITH NEW HARDWARE IN, FRONT DRIVERSIDE DRIVE AXLE NEEDED A NEW CALIPER, HAD TO WAIT ON THE CALIPER, PUT TIRES BACK ON, SET REAR AXLE DOWN, LIFTED FRONT END, PULLED TIRES OFF, ROTORS WERE IN GOOD SHAPE, PUT NEW PADS WITH HARDWARE IN, PUT FRONT WHEELS BACK ON, ANTI SEIZED LUG STUDS, TORQUED LUG NUTS, AIRED TRUCK UP, SET BRAKES			\$2,517.66
Parts	BRAKE KIT	3.00000	\$315.48	\$946.43
Parts	ANTISIEZE	1.00000	\$12.48	\$12.48
Parts	LOCTITE RED	1.00000	\$22.20	\$22.20
Parts	BRAKE ROTOR	3.00000	\$528.73	\$1,586.19
Parts	BRAKE CLEAN	6.00000	\$9.98	\$59.88
Parts	BLUE TOWELS	1.00000	\$9.99	\$9.99
Parts	BEARING	4.00000	\$161.93	\$647.72
Parts	BEARING SET	4.00000	\$137.50	\$550.01
Parts	RED SILICONE	1.00000	\$26.64	\$26.64
Parts	S.P. SYNTHETIC 75W90-QT BOTTLE	4.00000	\$19.38	\$77.50

ALL WORK DONE TO DATE
 12/21/2022
 12:03 PM
 12/21/2022
 12:03 PM
 12/21/2022
 12:03 PM

Item	Description	Quantity	Rate	Amount
Parts	KIT, CALIPER	1.00000	\$1,692.37	\$1,692.37
Parts	MACHINE SCREW	1.00000	\$0.07	\$0.07
			Subtotal	\$8,149.14

Complaint: R&R WIPERS**Cause:** Customer request

(Inspection)

Labor	Chassis / Chassis / R&R WIPERS			\$34.97
Parts	18" WIPER BLADE	2.00000	\$10.20	\$20.40
			Subtotal	\$55.37

Complaint: ALIGNMENT THREE AXLE TRUCK**Cause:** Customer request

Labor	Correction:			\$345.46
	Chassis / Chassis / STEER AXLE WAS TOWED OUT SO RESET IT TO 1/16 INCH TOWED IN AND SET REAR AXLES THEN ADJUSTED STEERING WHEEL			
			Subtotal	\$345.46

Unit: 13 VIN: 1XKADP9X4DJ362869**License Plate:** (Minnesota) PAV1541

2013 Kenworth T6 Series

Chassis: 994,956 Miles

Labor	\$2,898.09
Parts	\$5,651.88
Shop Supplies	\$125.00
Pre-Charge Subtotal	\$8,674.97
SALES TAX (7.3750% of \$0.00)	\$0.00
Total	\$8,674.97
Payments & Credits	\$0.00
Balance Due	\$8,674.97

Dan's Diesel Inc
 14250 135 Ave NW
 Sunburg, MN 56289
 dansdiesel2@yahoo.com
 320-264-5852



Invoice: SUN-50577
Date: 12/7/2022

Bill To
KOHOUT TRUCKING.
 405 Sunrise Drive
 Olivia, MN 56277
 P: (320) 444-4108

Remit Payment To
DANS DIESEL INC
 14250 135 Ave NW
 Sunburg, MN 56289

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SUN-29039	Net 30	1/6/2023	JIM KOHOUT	IBS 802355	LANTTO, PAT	13

Item	Description	Quantity	Rate	Amount
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Inspection

Labor	QUALITY CHECK: QUALITY CHECK			\$0.00
			Subtotal	\$0.00

Complaint: MAKE SURE BLOCK HEATER IS OPERATIONAL

Cause: Customer request

Labor	Engine / Electrical / MAKE SURE BLOCK HEATER IS OPERATIONAL			\$34.97
			Subtotal	\$34.97

Complaint: DIAGNOSE HEATER CONTROL ISSUE

Cause: Customer request

Labor	Correction:			\$139.87
	Chassis / Lighting & Electrical / Wouldn't adjust to some settings so replaced with new and everything worked			
Parts	50/50 RED COOLANT GALLON	1.00000	\$17.53	\$17.53
			Subtotal	\$157.40

Complaint: R&R HVAC CONTROLS

Cause: Customer request

(Inspection)

Labor	Correction:			\$139.87
	Chassis / Instrument & Controls / Pulled dash apart then removed controls and installed new panel			
Parts	HVAC CONTROL	1.00000	\$1,461.34	\$1,461.34
			Subtotal	\$1,601.21

Complaint: DIAGNOSE FUEL ISSUE

Cause: Customer request

Item	Description	Quantity	Rate	Amount
Labor	Correction:			\$419.61
	Engine / Fuel / Found fuel tubes broke			
Subtotal				\$419.61

Complaint: R&R FUEL SUCTION TUBES**Cause:** Customer request

(Inspection)

Labor	Correction:			\$559.48
	Chassis / Chassis / Removed driver side from tank then had to pump passenger tank out to turn tank to get tube out then installed new tubes and filled tank			
Parts	FILTER	1.00000	\$34.26	\$34.26
Parts	FUEL ASSY	1.00000	\$72.53	\$72.53
Parts	THREAD SEALANT	1.00000	\$19.98	\$19.98
Parts	ANTISIEZE	1.00000	\$12.48	\$12.48
Subtotal				\$698.73

Unit: 13 VIN: 1XKADP9X4DJ362869**License Plate:** (Minnesota) PAV1541

2013 Kenworth T6 Series

Chassis: 979,657 Miles

Labor	\$1,293.80
Parts	\$1,618.12
Shop Supplies	\$113.73
Pre-Charge Subtotal	\$3,025.65
SALES TAX (7.3750% of \$0.00)	\$0.00
Total	\$3,025.65
Payments & Credits	\$0.00
Balance Due	\$3,025.65

Dan's Diesel Inc

14250 135 Ave NW
 Sunburg, MN 56289
 dansdiesel2@yahoo.com
 320-264-5852

Invoice: **SUN-54073**Date: **5/31/2023**

Bill To
 KOHOUT TRUCKING.
 405 Sunrise Drive
 Olivia, MN 56277
 P: (320) 444-4108

Remit Payment To
 DANS DIESEL INC
 14250 135 Ave NW
 Sunburg, MN 56289

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SUN-33100	Net 30	6/30/2023	JIM KOHOUT	IBS 802355	LANTTO, PAT	13
Item	Description	Quantity	Rate	Amount		
Inspection						
Labor	QUALITY CHECK: QUALITY CHECK					\$0.00
Subtotal						\$0.00
Complaint: VIBRATIONS AND ALSO A CLUNK WHEN LETTING OFF THROTTLE						
Cause: Customer request						
Labor	Correction:					\$139.87
Chassis / Chassis / CUSTOMER STATED TRUCK HAD BACK VIBRATION AND CLUNK WHEN GETTING ON AND OFF OF THROTTLE, MOTOR MOUNTS WERE ALMOST METAL ON METAL. ALSO FOUND REAR DIFF INPUT U-JOINT BAD AND LEVELING VALVE ARM STRIPPED ON THE SHAFT.						
INVOICE BILLED BY INTERSTATE BILLING SERVICE MAKE CHECKS PAYABLE TO VENDOR & REMIT TO PO BOX 2208 DECATUR, AL 35600-0008						Subtotal \$139.87
Complaint: R&R L&R REAR MOTOR MOUNTS						
Cause: Customer request						
(Inspection)						
Labor	Correction:					\$664.38
Chassis / Frame / JACKED UP ENGINE, REMOVED TOP FOUR MOUNTING BOLTS, JACKED UP ENGINE A LITTLE MORE, REMOVED FOUR FRAME BOLTS, INSTALLED NEW MOTOR MOUNT ON THE DRIVERS SIDE, STRUGGLED GETTING THE TWO SHIMS TO LINE UP WITH THE HOLES ON THE FRAME, GLUED SHIMS TOGETHER, INSTALLED FRAME BOLTS, TIGHTENED TOP MOUNTING BOLTS AND BOTTOM MOUNTING BOLTS, ON THE PASSENGER SIDE, REMOVED TOP MOUNTING BOLTS, REMOVED FRAME BOLTS, REMOVED AND REPLACED MOTOR MOUNT, GLUED SHIMS TOGETHER INSTALLED ON FRAME, INSTALLED FRAME BOLTS, INSTALLED TOP MOUNTING BOLTS, TIGHTENED TOP AND BOTTOM MOUNTING STARTED TRUCK MADE SURE EVERYTHING WAS SITTING OKAY. EVERYTHING CHECKED OUT.						
Parts	MOTOR MOUNT	1.00000	\$925.26	\$925.26		
Parts	MOTOR MOUNT	1.00000	\$856.81	\$856.81		
Parts	SCUFFING PAD	1.00000	\$6.71	\$6.71		

INVOICE BILLED BY
 INTERSTATE BILLING SERVICE
 MAKE CHECKS PAYABLE TO VENDOR &
 REMIT TO
 PO BOX 2208 DECATUR AL 35600 2208

Item	Description	Quantity	Rate	Amount
Subtotal				\$2,453.16
Complaint: R&R REAR DIFF INPUT UJOINT				
Cause: Customer request				
(Inspection)				
Labor	Correction: Chassis / Chassis / U-JOINT WORN OUT. REMOVED DRIVESHAFT. REMOVED OLD WORN OUT U-JOINT. INSTALLED NEW U-JOINT. INSTALLED DRIVESHAFT. GREASED DRIVE LINE.			\$139.87
Parts	KIT - U-JOINT	1.00000	\$195.33	\$195.33
Parts	RED GREASE	1.00000	\$9.94	\$9.94
Parts	BRAKE CLEAN	1.00000	\$7.99	\$7.99
Parts	BLUE TOWELS	1.00000	\$9.99	\$9.99
Subtotal				\$363.12

Complaint: R&R LEVELING VALVE**Cause:** Customer request

(Inspection)

Labor	Correction: Chassis / Suspension / REMOVED OLD LEVELING VALVE. INSTALLED NEW LEVELING VALVE AND SET RIDE HEIGHT			\$139.87
Parts	HEIGHT CONTROL VALVE	1.00000	\$77.43	\$77.43
Parts	THREAD SEALANT	1.00000	\$17.63	\$17.63
Subtotal				\$234.93

Unit: 13 **VIN:** 1XKADP9X4DJ362869**License Plate:** (Minnesota) PAV1541

2013 Kenworth T6 Series

Chassis: 1,011,500 Miles

Labor	\$1,083.99
Parts	\$2,107.09
Shop Supplies	\$95.28
Pre-Charge Subtotal	\$3,286.36
SALES TAX (7.3750% of \$0.00)	\$0.00
Total	\$3,286.36
Payments & Credits	\$0.00
Balance Due	\$3,286.36

Dan's Diesel Inc
 14250 135 Ave NW
 Sunburg, MN 56289
 dansdiesel2@yahoo.com
 320-264-5852



Invoice: SUN-48350
Date: 8/10/2022

Bill To
 KOHOUT TRUCKING.
 405 Sunrise Drive
 Olivia, MN 56277
 P: (320) 444-4108

Ship To
 KOHOUT TRUCKING.
 405 Sunrise Drive
 Olivia, MN 56277

Remit Payment To
 DANS DIESEL INC
 14250 135 Ave NW
 Sunburg, MN 56289

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SUN-26540	COD	8/10/2022	JIM KOHOUT	IBS 802355	LANTTC, MATT	13

Item Description

Quantity Rate Amount

Complaint: R&R LIFT PUMP, UNIT PUMPS, LINES AND NOZZLES

Cause: Customer request

Labor Correction:

\$3,496.75

Engine / Fuel / REMOVED CLAMPS HOLDING WIRES AND HOSES TO ACCESS UNIT PUMPS, UNHOOKED BATTERIES AND REMOVED ALTERNATOR, REMOVED ALTERNATOR MOUNTING BRACKET TO ACCESS FIRST UNIT PUMP, REMOVED CHARGE AIR COOLER PIPE AND AIR INTAKE PIPE, REMOVED AIR BOX TO ACCESS VALVE COVER, REMOVED VALVE COVER AND ROCKER ARMS. REMOVED FUEL LINES FROM UNIT PUMPS TO INJECTORS, HAD TO REMOVED LINES TO FUEL FILTER HOUSING AND REMOVED FUEL FILTER HOUSING TO ACCESS REAR UNIT PUMPS REMOVED ALL 6 INJECTORS, REMOVED ALL 6 UNIT PUMPS, CLEANED UP INJECTOR HOLES AND UNIT PUMP HOLES, FLUSHED FUEL LINES, REINSTALLED NEW UNIT PUMPS, TORQUED, REINSTALLED INJECTORS WITH NEW BOLTS, TORQUED TO SPEC, REINSTALLED ROCKER ARMS AND TORQUED TO SPEC, SET VALVE LASH, REINSTALLED VALVE COVER, INSTALLED ALL NEW FUEL LINES FROM INJECTORS TO UNIT PUMPS, REINSTALLED FUEL FILTER HOUSING AND HOOKED LINES BACK UP, CHANGED FUEL FILTERS, FLUSHED AND CLEANED DAVCO FILTER HOUSING, REMOVED POWER STEERING LINES TO DRAIN SYSTEM, REMOVED LINES FROM FUEL PUMP, REMOVED POWER STEERING AND FUEL PUMP FROM AIR COMPRESSOR, INSTALLED NEW FUEL PUMP ON THE BACK OF POWER STEERING PUMP, REINSTALLED ON AIR COMPRESSOR, HOOKED FUEL LINES AND POWER STEERING LINES BACK UP, FILLED WITH FLUID, REINSTALLED ALTERNATOR BRACKET AND ALTERNATOR, INSTALLED ALL WIRE AND HOSE CLAMPS, REINSTALLED AIR BOX AND CHARGE AIR COOLER PIPES, CHANGED ENGINE OIL AND FILTERS, HOOKED BATTERIES UP, PRIMED FUEL SYSTEM, GOT TRUCK STARTED, CHECKED FOR LEAKS TEST DROVE TRUCK, CLEANED UP WORK AREA AND TOOLS.

Parts	Description	Quantity	Rate	Amount
Parts	FUEL PUMP PACCAR	4.00000	\$923.80525	\$3,695.22
Parts	LIFT PUMP	1.00000	\$166.12893	\$166.13
Parts	ENGINE SPEED SENSOR	1.00000	\$101.84738	\$101.85
Parts	FUEL PIPE	6.00000	\$298.14274	\$1,788.86
Parts	O-RING	1.00000	\$19.975	\$19.98
Parts	O-RING	6.00000	\$13.475	\$80.85
Parts	O-RING, UNI	6.00000	\$13.50	\$81.00
Parts	O-RING, UNI	6.00000	\$13.575	\$81.45
Parts	O-RING	1.00000	\$10.05	\$10.05

Item	Description	Quantity	Rate	Amount
Parts	BRAKE CLEAN	1.00000	\$11.99	\$11.99
Parts	BLUE TOWELS	1.00000	\$9.99	\$9.99
Parts	ANTI SEIZE	1.00000	\$6.99	\$6.99
Parts	BRAKE CLEAN	2.00000	\$11.99	\$23.98
Parts	SERVICE PRO SUPER PENETRATING	1.00000	\$13.78	\$13.78
Parts	BRAKE CLEAN	1.00000	\$11.99	\$11.99
Parts	ENGINE COVER	1.00000	\$5.00	\$5.00
Parts	FUEL LIFT PUMP	1.00000	\$642.38	\$642.38
Parts	BRAKE CLEAN	1.00000	\$11.99	\$11.99
Parts	08 FEMALE JIC SWIVEL STRAIGHT FOR 1/2" HOSE	2.00000	\$15.10	\$30.20
Parts	1/2" 4000PSI HOSE	3.00000	\$9.74	\$29.22
Parts	MAKE UP HOSE	1.00000	\$8.00	\$8.00
Parts	PLC UNION CONNECTOR 1/4"	1.00000	\$4.59	\$4.59
Parts	COPPER WASHER	2.00000	\$1.16666	\$2.33
Parts	BOLT	6.00000	\$3.9375	\$23.63
Parts	SEAL, RING	6.00000	\$18.675	\$112.05
Parts	O RING	6.00000	\$19.775	\$118.65
Parts	O-RINGS	6.00000	\$19.775	\$118.65
Parts	1/4" GENERAL PURPOSE	2.00000	\$3.20	\$6.40
Parts	103060 HOWES 64OZ	2.00000	\$24.51087	\$49.02
Parts	FILTER FUEL	1.00000	\$17.975	\$17.98
Parts	FILTER	1.00000	\$26.95529	\$26.96
Parts	ATF DEX/MERC QT	2.00000	\$11.40	\$22.80
Parts	MOBILE 15W40	11.00000	\$16.99	\$186.89
Parts	BRAKE CLEAN	1.00000	\$11.99	\$11.99
Parts	FILTER	1.00000	\$60.85	\$60.85
Parts	BRAKE CLEAN	2.00000	\$11.99	\$23.98
			Subtotal	\$11,114.42

Complaint: R&R LEFT AND RIGHT FUEL TANKS**Cause:** Customer request

(Inspection)

Labor Correction:

\$1,398.70

Engine / Fuel / PUMPED FUEL OUT OF BOTH FUEL TANKS INTO BARRELS, REMOVED LINES AND CONNECTORS TO FUEL TANK, REMOVED STRAPS FOR FUEL TANK AND REMOVED TANK FROM TRUCK, INSTALLED NEW TANKS, CHANGED RUBBER ON STRAP, CLOCKED TANK AND PUT FITTINGS IN TANK, HOOKED UP FUEL LINES TO TANKS. NEW TANK CUSTOMER SUPPLIED WAS LONGER THAN THE OLD TANK ON THE PASSENGER SIDE, THE TOOL BOX STEP BETWEEN THE FUEL TANK AND THE AXLE HAD TO BE MOVED BACK ABOUT 2 INCHS, INORDER TO DO THAT A NEW BRACKET HAD TO BE MADE TO GO AROUND THE LEAF SPRING HANGER, MADE THE BRACKET AND MOUNTED TO THE TRUCK, HAD TO SPACE BOX OUT SLIGHTLY, ONCE THE BOX WAS MOUNTED, MOUNTED FUEL TANK AND HOOKED UP FUEL LINES.

PUMPED A SAMPLE OF FUEL OUT OF THE BARRELS INTO A CLEAN PAIL AND INSPECTED, FOUND LARGE AMOUNT OF BRASS SHAVINGS IN THE FUEL. PUT 30 GALLONS OF CLEAN FUEL IN EACH TANK TO GET TRUCK STARTED, CLEANED UP WORK AREA

Parts	BRAKE CLEAN	1.00000	\$11.99	\$11.99
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Item	Description	Quantity	Rate	Amount
Parts	THREAD SEALANT	1.00000	\$16.225	\$16.23
Parts	HEX PLUG 3/8	1.00000	\$1.70	\$1.70
Parts	RUBBER SECTION	5.00000	\$12.575	\$62.88
Parts	1/2 FLAT WASHER	6.00000	\$0.66	\$3.96
Parts	1/2 TOPLOCK NUT	4.00000	\$0.99	\$3.96
Parts	1/2 X 4 BOLT	2.00000	\$2.66664	\$5.33
Parts	MALE ELBOW 1/2	1.00000	\$5.54545	\$5.55
Parts	MALE ELBOW 1/2	1.00000	\$5.54545	\$5.55
Parts	HEX PLUG 3/8	1.00000	\$1.70	\$1.70
Parts	FENDER WASHER	1.00000	\$0.16667	\$0.17
Parts	CUT OFF WHEEL	1.00000	\$6.45	\$6.45
Parts	1/2" X 3 1/2" BOLT COURSE THREAD	4.00000	\$1.23	\$4.92
			Subtotal	\$1,529.09

Complaint: LEAK TEST COOLANT SYSTEM**Cause:** Customer request

(Inspection)

Labor	Correction:	\$139.87
Engine / Cooling / PRESSURE TESTED COOLANT SYSTEM AND FOUND 3 COOLANT HOSES LEAKING. TOOK PRESSURE OFF COOLING SYSTEM		

Subtotal \$139.87**Complaint:** DIAGNOSE CODES**Cause:** Customer request

(Inspection)

Labor	Correction:	\$384.64
Engine / Diesel Particular Filter (DPF) / WHEN TEST DRIVING TRUCK FOR OTHER REPAIRS, ENGINE SHUTDOWN WARNING CAME ON AND TRUCK SHUT DOWN 20 SECONDS LATER, HOOKED COMPUTER UP AND FOUND CODE DTC1724 FOR EXHAUST GAS PRESSURE BEFORE TURBINE AND CODE DTC 3771 FOT EXHAUST GAS TEMP BEFORE DPF. AFTER LOOKING INTO CODES FOUND IT WAS FOR PARTICULAER MATTER SENSOR AND PLUGGED EXHAUST, NOTIFIED CUSTOMER		

Parts	COMPUTER HOOK UP FEE SEMI	1.00000	\$95.00	\$95.00
			Subtotal	\$479.64

Unit: 13 **VIN:** 1XKADP9X4DJ362869**License Plate:** (Minnesota) PAV1541

2013 Kenworth T6 Series

Chassis: 974,224 Miles

Labor	\$5,419.96
Parts	\$7,843.06
Shop Supplies	\$476.41
Pre-Charge Subtotal	\$13,739.43
SALES TAX (7.3750% of \$0.00)	\$0.00
Total	\$13,739.43
Payments & Credits	\$0.00
Balance Due	\$13,739.43

Dan's Diesel Inc - Willmar

7600 HWY 71 S
WILLMAR, MN 56201
willmar@dansdiesel2.com
320-995-6108

Invoice: **48571**Date: **8/20/2022**

Bill To
KOHOUT TRUCKING.
405 Sunrise Drive
Olivia, MN 56277
P: (320) 444-4108

Remit Payment To
DANS DIESEL INC
14250 135 Ave NW
Sunburg, MN 56289

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
27197	Net 30	9/19/2022	JIM KOHOUT	IBS 802355	Goblirsch, Allyce	13

Item	Description	Quantity	Rate	Amount
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Complaint: RANDOMLY LOSES POWER- NO BOOST. NO CHECK ENGINE LIGHT.

Cause: CHECKED CODES AND FOUND ONLY ONE CODE PRESENT AND ACTIVE. P2080 TEMPETURE AFTER BPV ERRATIC. CHECKED TEMP SENSOR COLD AND FOUND READING 1400 DEGEES. CHECKED RESISTANCE OF TEMP SENSOR AND FOUND OPEN.

(Inspection)

Labor Correction:

\$1,958.18

Engine / Air Intake / Induction / REMOVED TEMP SENSOR AND REPLACED WITH NEW. TEMP SENSOR SEIZED INTO CAST TURBO DOWN PIPE. USED TORCH TO HEAT UP AND WAS ABLE TO FREE AFTER SEVERAL HEATING AND COOLING. TEST DROVE AND NO CODES SET. LET TRUCK RUN AT HIGH IDLE AND SHUT DOWN OVER NIGHT TEST DROVE IN THE MORNING AND CODE P1724 EXHAUST GAS PRESSURE BEFORE TURBO DATA VALID BUT TOO LOW. CHECKED VALUES OF SENSORS AND FOUND OK. USED SCAN TOOL TO COMMAND TURBO POSITION AND FOUND TEST PASSED. TALKED TO CUSTOMER AND DECIDED TO REMOVE TURBO ACTUATOR AND INSPECT TURBO FOR BINDING.

FOUND ACTUATOR BOLTS ALSO SEIZED. HEATED WITH TORCH AND STILL WOULD NOT FREE. USED AIR HAMMER TO LOOSEN. WAS ABLE TO REMOVE WITHOUT DAMAGE TO TURBO. FOUND TURBO MOVES FREE. DRAINED COOLANT TO FINISH REMOVING ACTUATOR. THEN INSTALLED NEW TURBO ACTUATOR AND PERFORMED CALIBRATION PROCEDURE. VACUUM FILLED COOLING SYSTEM. TEST DROVE TRUCK AND TRUCK NOW SETTING CODE P1581 TURBO SPEED DATA INVALID. CHECKED TURBO SPEED SENSOR WITH DATA ON SCAN TOOL FOUND SENSOR READING BUT TOO SLOW OF SPEED.

CHECKED SPEED SENSOR CIRCUIT TO ECM FOUND OK. DRAINED COOLANT AGAIN TO REMOVE COOLANT LINE FROM TURBO TO ACCESS TURBO SPEED SENSOR AND REPLACED WITH NEW. VACUUM FILL COOLING SYSTEM. TEST DROVE TRUCK AND FOUND TURBO SPEED READING CORRECTLY AND NO CODES. TRUCK HAS NOTACABLE SURGE NOW A LOW LOAD. MONITORED DATA AND FOUND EXHAUST BACKE PRESSURE VALVE OPENING AND CLOSING. ACTUAL VALVE STAYS AT 100% CLOSED THE ENTIRE TIME. DISABLED BACK PRESSURE VALVE AND TEST DROVE NO SURGE AND NO CODES.

WITH TRUCKS PROGRAMMING BACK PRESSURE VALVE WILL NO LONGER BE NEEDED. ALSO NOTICED FUEL PRESSURE SENSOR WAS READING VERY ERRATIC. CHECKED BASE FUEL PRESSURE WITH GAUGE AND FOUND STEADY. INSTALLED NEW FUEL PRESSURE SENSOR AND FOUND READING STEADY. TRUCK ALSO HAS INTERMITTENT WORKING WIPERS. CHECKED AND FOUND WIPER SWITCH FAILING. CLUTCH PEDDLE ALSO NOT ALWAYS RETURNING, WEAK CLUTCH RETURN SPRING. TRANSMISSION ALSO SLOW TO SHIFT INTO LOW RANGE. POSSIBLE SLAVE CYLINDER STICKING.

Parts SENSOR, TEMP

1.00000 \$237.22997 \$237.23

Parts ZIP TIE

12.00000 \$0.25 \$3.00

INVOICE BILLED BY:
INTERSTATE BILLING SERVICE
MAKE CHECKS PAYABLE TO VENDOR &
REMIT TO VENDOR &
PO BOX 2208 DECATUR, AL 35609-2208

Item	Description	Quantity	Rate	Amount
Parts	SENSOR	1.00000	\$170.47443	\$170.47
Parts	TURBO SPEED SENSOR	1.00000	\$416.8529	\$416.85
Parts	COMPUTER HOOK UP FEE SEMI	1.00000	\$85.00	\$85.00
Parts	ACTUATOR, TURBO	1.00000	\$1,795.65	\$1,795.65
Parts	FREIGHT	1.00000	\$120.00	\$120.00
Parts	ANTIFREEZE 50/50	0.50000	\$13.30	\$6.65
Parts	BRAKE CLEAN	1.00000	\$7.88	\$7.88
Parts	BLUE TOWELS	0.25000	\$5.00	\$1.25
Subtotal				\$4,802.16

PM: QUALITY CHECK**Cause:** Customer request

(PM)

Labor	Chassis / Chassis / QUALITY CHECK			\$0.00
Subtotal				\$0.00

Unit: 13 **VIN:** 1XKADP9X4DJ362869**License Plate:** (Minnesota) PAV1541

2013 Kenworth T6 Series

Chassis: 974,224 Miles

Labor	\$1,958.18
Parts	\$2,843.98
Shop Supplies	\$172.12
Pre-Charge Subtotal	\$4,974.28
SALES TAX (7.3750% of \$0.00)	\$0.00
Total	\$4,974.28
Payments & Credits	\$0.00
Balance Due	\$4,974.28

Dan's Diesel Inc
 14250 135 Ave NW
 Sunburg, MN 56289
 dansdiesel2@yahoo.com
 320-264-5852



Invoice: SUN-52940

Date: 3/31/2023

Bill To
 KOHOUT TRUCKING.
 405 Sunrise Drive
 Olivia, MN 56277
 P: (320) 444-4108

Remit Payment To
 DANS DIESEL INC
 14250 135 Ave NW
 Sunburg, MN 56289

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
SUN-31992	Net 30	4/30/2023	JIM KOHOUT	IBS 802355	Prahl, Jennifer	13

Item	Description	Quantity	Rate	Amount
Inspection				
Labor	QUALITY CHECK: QUALITY CHECK			\$0.00
			Subtotal	\$0.00

Complaint: R & R WATER PUMP

Cause: Customer request

Labor	Correction: Engine / Cooling / DRAINED COOLANT THEN REMOVED WATER PUMP BOLTS AND PRYED LOOSE THEN CLEANED UP SURFACE AND INSTALLED NEW WATER PUMP THEN REPLACED COOLANT FILTER AND FILLED WITH COOLANT AND TEST DROVE			\$629.42
Parts	LOCTITE RED	1.00000	\$22.20	\$22.20
Parts	BRAKE CLEAN	1.00000	\$8.21	\$8.21
Parts	BLUE TOWELS	1.00000	\$9.99	\$9.99
Parts	ANAEROBIC	1.00000	\$41.28	\$41.28
Parts	COOLANT PUMP	1.00000	\$950.81	\$950.81
Parts	O RING D=126.59	1.00000	\$15.18	\$15.18
Parts	CLAMP	1.00000	\$9.80	\$9.80
Parts	FILTER	1.00000	\$85.37	\$85.37
Parts	BRAKE CLEAN	1.00000	\$8.21	\$8.21
Parts	50/50 RED COOLANT GALLON	1.00000	\$17.53	\$17.53
			Subtotal	\$1,798.00

Complaint: R&R FAN CLUTCH

Cause: Customer request

Item	Description	Quantity	Rate	Amount
(Inspection)				
Labor	Correction: Engine / Belt & Pulley / REMOVED FAN THEN TRIED TO RELESE FAN CLUTCH TO TURN TO GET TO BOLTS AND WOULDNT RELESE SO REMOVED FAN HUB AND HAD TO FORCE CLUTCH TO MOVE TO GET TO BOLTS THEN REMOVED BOLTS AND INSTALLED NEW FAN CLUTCH THEN INSTALLED FAN HUB BACK ON TRUCK THEN INSTALLED BELT THEN INSTALLED FAN AND HOOKE UP AIRLINE			\$576.96
Parts	LOCTITE RED	1.00000	\$22.20	\$22.20
Parts	FAN CLUTCH	1.00000	\$475.44	\$475.44
	Subtotal			\$1,074.60

Unit: 13 **VIN:** 1XKADP9X4DJ362869
License Plate: (Minnesota) PAV1541
 2013 Kenworth T6 Series
Chassis: 1,011,498 Miles

Labor	\$1,206.38
Parts	\$1,666.22
Shop Supplies	\$106.04
Pre-Charge Subtotal	\$2,978.64
SALES TAX (7.3750% of \$0.00)	\$0.00
Total	\$2,978.64
Payments & Credits	\$2,978.64
Balance Due	\$0.00

Payment Information

Date	Payment #	Method	Reference #	Amount
4/4/2023	4124238	Credit		\$2,978.64