

**CALGARY**

9115 - 52 Street SE, Calgary, Alberta T2C 2R4  
Phone: (403) 720-3400 Fax: (403) 720-3409

**RED DEER**

7690 Edgar Industrial Ct, Red Deer, Alberta T4P 4E2  
Phone: (403) 314-1919 Fax: (403) 314-2203

**Sold To:** TRICAN WELL SERVICE LTD.  
E00710 TRICAN PARTNERSHIP

**Ship To:** TRICAN WELL SERVICE LTD.  
TRICAN PARTNERSHIP

**CUSTOMER INVOICE****Invoice Number****R30582**

Date: 04-29-21

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#2900, 645 - 7 AVENUE SW  
CALGARY, AB T2P 4G8  
403 266-0202

#2900, 645 - 7 AVENUE SW  
CALGARY, AB T2P 4G8

Year	Make / Model	VIN	License	Mileage	Unit/Stock
2012	PETERBILT /	1XPTP4EX0DD162200	J-51881	431802	219342
Delivery Mileage	Delivery Date	Engine Model / Serial #	Transmission Model/Serial #		
	06-29-12	/ 79545489	/		

Engine Hours	Reefer Hours	Standby Hours	P.O. Number	Open Date / Time	Complete	Service Writer
12781.0			729736	04-05-21 / 10:51AM	04-28-21	ES*ES
Memo						

Tax ID Date:

Tax ID:

- 1 PERFORM EXPRESS ASSESSMENT  
BEFORE: \_\_\_\_\_ AFTER: \_\_\_\_\_

INSPECT & ADVISE FOR:  
CHECK ENGINE LIGHT ON  
\*\*DERATES\*\*

CAUSE:  
UNIT DERATED  
CORRECTION:

CONFIRM CHECK ENGINE LIGHT ON DASH. CONNECT TO ECM WITH INSITE. CHECK ACTIVE FAULT CODES. FAULT 3135 ACTIVE AFTERTREATMENT 1 DPF FILTER OUTLET PRESSURE- DATA ERRATIC. REMOVE STEP COVER TO ACCESS DPF DIFFERENTIAL PRESSURE SENSOR AND TUBES. CHECK FOR RESTRICTION IN TUBES AND CONNECTOR DAMAGE-NONE FOUND. USE INSITE TO OBSERVE DIFFERENTIAL PRESSURE OUTLET SENSOR VOLTAGE .75 VDC IN SPEC. CHECK FOR RESISTANCE WITHIN HARNESS FROM DIFFERENTIAL PRESSURE SENSOR BACK TO ECM CONNECTOR NO HIGH RESISTANCE. REMOVE DECOMP TUBE TO CHECK FOR RESTRICTION NONE FOUND. FOUND EXHAUST LEAK AT SCR INLET CONNECTION AND AFTERTREATMENT HARNESS MOUNTING BRACKET BROKEN AND HARNESS MELTED TO EXHAUST. REMOVE HARNESS FROM VEHICLE AND LOAD TEST ON BENCH FOUND NO FAULTS BUT RECOMMEND REPLACEMENT DUE TO MELTED SHEATHING. ALSO RECOMMEND REPLACE DIFFERENTIAL PRESSURE SENSOR.

TOTAL LABOR

805.00

- 2 CHECK AND ADVISE AIR COMPRESSOR FOR BUILD TIME

CAUSE:  
SMALL HOLE IN COMPRESSOR DISCHARGE LINE  
CORRECTION:

DID COMPRESSOR AIR BUILD UP TEST CAME IN AT 2:09 SO A LITTLE SLOW NOTICED AFTER I SHUT TRUCK DOWN AND AUDIABLE AIR LEAK COMING FROM THE DRIVERS SIDE FIRE WALL FELT AIR LEAK WITH HAND NEAR COMPRESSOR DISCHARGE LINE HOOKED UP SHOP AIR TO COMPRESSOR DISCHARGE LINE AND FOUND THAT DISCHARGE LINE HAS A HOLE IN IT JUST BEHIND METAL LINE CONNECTION. BUILT ESTIMATE FOR REPAIR. REMOVE AIR COMPRESSOR DISCHARGE LINE FROM TRUCK FOR REPLACEMENT. INSTALLED HOSE ON COMPRESSOR SIDE. RAN HOSE TO AIR DRYER. FITTING ON AIR DRYER WAS FACING THE WRONG WAY -

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TOTAL LABOR	345.00
TOTAL PARTS	2.33
TOTAL SUBLET LABOR	125.56

3 REMOVE AND REPLACE LEAKING SCR CLAMP/GASKET.  
CAUSE:  
MISSING SCR INLET GASKET  
CORRECTION:  
REMOVE SCR INLET 90 REMOVE GASKET ON SIDE WITH GASKET CLEAN ALL 4  
MATING SURFACES AND RE INTALL 90 WITH NEW CLAMPS AND GASKETS

>> NO CHARGE <<

Qty	Part Number	Description
1	90-0013	CLAMP
1	2866337	GASKET, A
1	2866337	GASKET, A

- 4 REPLACE FAULTY DPF DIFFERENTIAL PRESSURE SENSOR  
CAUSE:  
FAILED SENSOR  
CORRECTION:  
REPLACED DPF DIFFERENTIAL PRESSURE SENSOR AND HARNESS. CONNECTED CUMMINS INSITE, CLEARED ALL CODES, TEST DROVE IN STOP AND START TRAFFIC AND ON HIGHWAY, HAD CODE 3135-2 COME ACTIVE FOR DPF OUTLET PRESSURE DATA ERRATIC, INTERMITTANT, OR INCORRECT. RETURNED TO SHOP AND ADVISED CUSTOMER FOR NEXT STEP. RECOMMEND REMOVE AND CLEAN DPF. INSTALLED CLEANED DPF, REPLACED ALL CLAMPS AND GASKETS AS NEEDED, FOUND BOLTS BROKEN OFF IN NUTS HOLDING PLATE UNDER ATD ASSEMBLY. CUT OFF NUTS AND WELDED IN NEW ONES. INSTALLED ATD ASSEMBLY, CONNECTED HARNESSES. INSTALLED STEP AND COVERS. CLEARED CODES, RESET DPF ACCUMULATION. TEST DROVE UNIT FOR VERIFICATION THAT CODE DOES NOT RETURN. DPF DIFFERENTIAL CODE DID RETURN AT HIGHWAY SPEED. STARTED PARKED REGEN TO SEE IF SCR MAY HAVE BUILT UP DEF CAUSING INACCURATE PRESSURE. COMPLETED EDS SESSION FOR CODE 3135, HAD ROAD TESTED UNIT IN AM AND CODE RETURNED AT HIGHWAY SPEED. CHECKED ALL ITEMS IN TROUBLESHOOTING EXCEPT FOR CHECKING EXHAUST RESISTANCE. PHONED CUMMINS, GOT CCR # 1-109251746149. SENT A LOG FILE OF ROAD TEST WHEN CODE LOGGED AND EDS SESSION, THEY SAID TO TRY A TEST DRIVE WITH ELBOW OFF RUNNING TO SCR MODULE AND SEE IF CODE RETURNS, ELIMINATING A PLUGGED SCR. REMOVED SCR INLET ELBOW. INSPECTED SCR FACE PARTIALLY AS

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Tax ID Date:      Tax ID:

IT IS BLOCKED BY A STEEL GRILL. SUBSRATE FACE LOOKS GOOD.  
 INSTALLED A DIFUSSER AND CLAMP OVER DECOMP TUBE OUTLET AND TEST  
 DROVE. CODE 3135 DID NOT RETURN INDICATING A BLOCKAGE IN SCR MODULE.  
 REVISED ESTIMATE FOR CUSTOMER APPROVAL. REPLACED SCR MODULE, TIED  
 EXHAUST STACK OUT OF WAY. REMOVED BRACKETS COVERING SCR, DISCONNECTED  
 HARNESS. JACKED UP CAB TO GET ENOUGH CLEARANCE TO REMOVE SCR.  
 INSTALLED NEW TEMP SENSORS AS OLD ONES WERE SEIZED IN. INSTALLED NEW  
 SCR MODULE. CONNECTED HARNESS AND ALL PIPING. REPLACED CLAMP AND SEAL  
 AT EXHAUST STACK. INSTALLED ALL AFTERTREATMENT COVERS, CLEARED  
 INACTIVE CODES. TEST DROVE, DID NOT HAVE ANY CODES RETURN. RELEASED  
 UNIT.

TOTAL LABOR	805.00
TOTAL PARTS	7,409.03
TOTAL FREIGHT	50.00

Qty	Part Number	Description	List	Unit	Extended
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1	P92-8105-02750300	HARNESS	2,826.30	1,773.37	1,773.37
1	2888154	BRACKET,S	2,578.96	2,006.94	2,006.94
1	BRZ-HTM700	HI TORQUE	4.97	3.57	3.57
1	AI-927775-3	TERMINAL,	1.70	1.15	1.15
1	90-0013	CLAMP	32.39	23.55	23.55
2	2871863	CLAMP,V B	232.44	116.22	232.44
2	2871453	GASKET,AD	92.98	46.49	92.98
2	2866337	GASKET, A	31.00	15.50	31.00
2	M84-6044-005	STRAP	141.36	70.68	141.36
2	90-0013	CLAMP	39.62	19.81	39.62
1	2880213	CLAMP,V B	96.54	80.45	80.45
2	2880215	GASKET, A	51.76	25.88	51.76
1	2880213	CLAMP,V B	92.01	73.61	73.61
1	2872468	SENSOR,TE	233.90	187.12	187.12
1	90-0013	CLAMP	32.39	22.98	22.98
1	2866337	GASKET, A	19.38	15.50	15.50
1	4329098	DEVICE,AF	3,073.04	2,410.23	2,410.23
1	2894876	SENSOR,TE	270.00	221.40	221.40
1	FREIGHT	FREIGHT	150.00	50.00	50.00

5 \*\*SUBLET\*\*

DPF NEEDS TO BE CLEANED

TOTAL SUBLET LABOR	274.00
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Qty	Part Number	Description	List	Unit	Extended
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1	SUBLET LABOR		300.00	274.00	274.00
		DPF CLEANING			

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G.S.T. - REG. NO. 848002507RT0001	5 % OF	9,972.32 =	498.62
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LABOR	1,955.00
PARTS	7,411.36

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Tax ID Date: Tax ID:

SUBLET 399.56  
SUPPLIES 156.40  
FREIGHT 50.00  
OTHER CHGS 0.00

SUBTOTAL 9,972.32  
G.S.T. 848002507RT0001 498.62  
TOTAL 10,470.94

I acknowledge as an owner or representative of the above company and/or individual, the indebtedness for any and all requested repairs, diagnostics, and declined warranty; and understand and grant that a Garage Keeper's lien will be filed to secure the amount of these and all possible warranty repairs thereto by RJAMES MANAGEMENT GROUP LTD. I hereby acknowledge my indebtedness in the amount of the balance of this invoice either by purchase order, signature, email, and/or phone confirmation. I authorize RJAMES MANAGEMENT GROUP LTD. to collect, use and disclose the personal and business information that I have provided for the purpose of providing goods and services as requested, to better understand needs and preferences, to establish and maintain responsible commercial relations, and to provide ongoing service(s). It is also understood that all warranty or policy claims are submitted on behalf of the customer pending vendor inspection and approval. It cannot be assumed that there is warranty and responsibility for any and all debt of the repair(s) is assumed by the customer in full until approval is granted. RJAMES MANAGEMENT GROUP LTD. will issue a credit to you or your account for the amounts paid by the vendor when and if a warranty or policy claim is approved. Only repairs performed by RJAMES MANAGEMENT GROUP LTD. at an authorized facility of RJAMES MANAGEMENT GROUP LTD. Will have a 90 day workmanship guarantee and all claims made can only be honored at these facilities. If wheels are removed for any reason, it is the customer's responsibility to have them re-torqued at 100 kms. RJAMES MANAGEMENT GROUP LTD. Will not be liable for loose wheels. TERMS: The full amount of this invoice is payable 30 days following purchases of products or services. SERVICE CHARGES: 2% per month or 24% per annum on overdue accounts. A \$50.00 service charge will apply to all NSF cheques.

CUSTOMER: X \_\_\_\_\_

GST#: 848002507 RT0001

DATE \_\_\_\_\_