

INVOICE DATE 01/05/2019 15:17:10CST	
INVOICE NUMBER/ACCT DOC NUMBER	
CUSTOMER NO.	BRANCH
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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
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Cust Unit # 9	License #
Phone #	Contact #
COMPLETION DATE: 01/05/2019	YEAR: 2013 MAKE/MODEL: PETERBILT/579:PBT
RTL UNIT:	MILEAGE: 522,714
SERIAL: 1XPBD49X4DD193822	
Date in Service....: 12/10/2012	Front Diff Model...:
Engine Make/Model...: CUMMINS/ISX15	Front Diff Serial...:
Engine Serial No....: 79623257	Rear Diff Model....:
Trans Model.....: /	Rear Diff Serial....:

Job 1 ADVISE ON CEL / FAULT CODES FOR DEF

CUSTOMER STATES HAS TWO ACTIVE FAULT CODES BEING DISPLAYED ON DRIVER DISPLAY FOR DEF SYSTEM ISSUES
 Hook up computer, check for codes, found circuit codes for diesel particulate filter differential pressure sensor, started truck, monitored dpf differential pressure sensor voltage, found sensor stuck in range, removed & replaced sensor, started truck, perform stationary regeneration, cleared codes, truck ok at this time.

Sales Qty	UOM	Item number	Item description	CORE	Unit rate	Per	Extension
1.000	EA	2871960:CE	SENSOR,PRESSURE	1			
				LABOR SUBTOTAL:			
				PARTS SUBTOTAL:			
				MISC SUBTOTAL..:			
				EPA FEE SUBTOTAL..:			
				SHOP SUPPLIES FEE..:			
				MACHINE CHARGE..:			
				JOB SUBTOTAL..:			

SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
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CONTINUED

TERMS
Due on Receipt

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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
*TOTAL LABOR: *TOTAL PARTS: *TOTAL MISC.: *TOTAL EPA.: *TOTAL SHOP.: *TOTAL MACHINE:				
SUBTOTAL		TAX STATUS/STATE		SALES TAX
				PLEASE PAY
				CONTINUED
				TERMS
				Due on Receipt

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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISE	SALES REP

SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
			649.65
			TERMS
			Due on Receipt

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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
*TOTAL LABOR: *TOTAL PARTS: *TOTAL MISC.: *TOTAL EPA.: *TOTAL SHOP.: *TOTAL MACHINE:				
SUBTOTAL		TAX STATUS/STATE		SALES TAX
				PLEASE PAY
				CONTINUED
				TERMS
				Due on Receipt

INVOICE DATE	
01/05/2019 15:17:10087	
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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADDRESS	SALES REP

SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
			649.65
			TERMS Due on Receipt

INVOICE DATE	
01/08/2019 11:08:00CST	
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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP																
Cust Unit # 9) Phone #) COMPLETION DATE: 01/08/2019 RTL UNIT: SERIAL: 1XPBD49X4DD193822 Date in Service....: 12/10/2012 Engine Make/Model...: CUMMINS/ISX15 Engine Serial No....: 79623257 Trans Model.....: / License # Contact # YEAR: 2013 MAKE/MODEL: PETERBILT/579:PBT MILEAGE: 522,922 Front Diff Model...: Front Diff Serial...: Rear Diff Model....: Rear Diff Serial...: Job 1 ADVISE ON CHECK ENGINE LIGHT T/S REGEN PROBLEM. HAD ACTIVE CODES 3376 DPF INCOMPLET REGEN CONDISIONS EXIST AND ACIVE FALULT 0125 INTAKE MANIFOLD PRESSURE BELOW OPERTING RANGE. CHECK FOR ANY INTAKE LEAKING. INSPECT TURBO. FOUND NO PROBLEMS IN SYSTEM. REMOVE INTAKE MANIFOLD SENSOR AND WAS STOPPED UP WITH SOOT. REPLACE INTAKE MANIFOLD PRESSURE SENSOR. UPDATE ECM CALIBRATION AND RUN REGEN. MONITORED INTAKE MANIFOLD PRESSURE, TURBO SPEEDS, AND DPF TEMPS. ALL WAS IN SPEC AND COMPLETED REGEN Tech 8904 on 2019-01-08 at 10:41:17 <table border="1"> <thead> <tr> <th>Sales Qty</th> <th>UOM</th> <th>Item number</th> <th>Item description</th> <th>CORE</th> <th>Unit rate</th> <th>Per</th> <th>Extension</th> </tr> </thead> <tbody> <tr> <td>1.000</td> <td>EA</td> <td>2897334:CE</td> <td>SENSOR,FRS TEMPERATURE</td> <td>1</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> LABOR SUBTOTAL: PARTS SUBTOTAL: MISC SUBTOTAL.: EPA FEE SUBTOTAL.: SHOP SUPPLIES FEE.: MACHINE CHARGE.: JOB SUBTOTAL..:					Sales Qty	UOM	Item number	Item description	CORE	Unit rate	Per	Extension	1.000	EA	2897334:CE	SENSOR,FRS TEMPERATURE	1			
Sales Qty	UOM	Item number	Item description	CORE	Unit rate	Per	Extension													
1.000	EA	2897334:CE	SENSOR,FRS TEMPERATURE	1																
SUBTOTAL		TAX STATUS/STATE		SALES TAX	PLEASE PAY															
					CONTINUED															
					TERMS Due on Receipt															

INVOICE DATE	
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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
REMIT TO:				
*TOTAL LABOR: *TOTAL PARTS: *TOTAL MISC.: *TOTAL EPA.: *TOTAL SHOP.: *TOTAL MACHINE:				
SUBTOTAL		TAX STATUS/STATE		SALES TAX
				PLEASE PAY
				CONTINUED
				TERMS
				Due on Receipt

INVOICE DATE	
01/08/2019 11:09:30CST	
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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP

SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
			864.67
			TERMS Due on Receipt

INVOICE DATE	
01/16/2019 10:04:05CST	
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CUSTOMER-PS	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES PTF
Cust Unit # 9		License #		
Phone #		Contact #		
COMPLETION DATE: 01/16/2019		YEAR: 2013 MAKE/MODEL: PETERBILT/579:PBT		
RTL UNIT:		MILEAGE: 523,685		
SERIAL: 1XPBD49X4DD193822				
Date in Service....: 12/10/2012		Front Diff Model...:		
Engine Make/Model...: CUMMINS/ISX15		Front Diff Serial...:		
Engine Serial No....: 79623257		Rear Diff Model....:		
Trans Model.....: /		Rear Diff Serial...:		
Job 1 ADVISE ON CEL				
ADVISE ON CEL CUSTOMER STATE SAME ISSUE AND HAS BNEEN IN SHOP FOR SAME ISSUE				
connected Cummins Insite, and checked for codes. unti had active codes of 3375 aftertreatment diesel particulate filter regeneration too frequent 0 condition exist, and 2754 engine diesel particulate filter intake pressure data valid but above normal operating range - moderatyl severe level. using fault code analyzer TS code 2754 inspected for any exhaust leaks. inspected DPF differentail pressure tubes for blockage, or kinks. took exhaust pipe loose, and performed a snap test, unti has very little black smoke				
NEED TO RUN A REGEN AND A RESTRICTION TEST.				
Tech 3139 on 2019-01-10 at 11:18:07				
ran a manual regen. DPF inlet temp reached about 1100° and out lt same. ran a restriction test and unit passed.				
test drove unti and unti did not set any other codes.				
called Cummins Teh support, CASE# 1-76674113197				
was asked to email an ecm image and a regen log.				
shut down.				
ran another regen while recording. set EM inmage to regen				
datalog to Cummins				
after talking with Cummins, they recommended replacing DPF.				
removed and replaced DPF.				
clearedf all codes.				
test drove unti. inspected fox nay exhaust leaks from DPF mounting - none.				
Sales Qty UOM	Item number	Item description	CORE	Unit rate Per Extension
1.000 EA	2871578RX:CK	FILTER,PARTICULATE	EXC	
1.000 EA	2871581D-Cl:CK	FILTER,PARTICULATE-CORE	CHG	
1.000 EA	2880215:CE	GASKET, AFM DEVICE		
2.000 EA	2871453:CE	GASKET, AFM DEVICE		
SUBTOTAL		TAX STATUS/STATE	SALES TAX PLEASE PAY	
			CONTINUED	
			TERMS	
			Due on Receipt	

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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
LABOR SUBTOTAL: PARTS SUBTOTAL: MISC SUBTOTAL..: EPA FEE SUBTOTAL..: SHOP SUPPLIES FEE..: MACHINE CHARGE..: JOB SUBTOTAL..:				
Job 99 Cores				
Sales Qty UOM	Item number	Item description	CORE	Unit rate Per Extension
- 1.000 EA	2871581D-C1:CK	FILTER, PARTICULATE-CORE	RET	
LABOR SUBTOTAL: PARTS SUBTOTAL: MISC SUBTOTAL..: EPA FEE SUBTOTAL..: SHOP SUPPLIES FEE..: MACHINE CHARGE..: JOB SUBTOTAL..:				
SUBTOTAL		TAX STATUS/STATE		SALES TAX
				PLEASE PAY
				CONTINUED
TERMS				
Due on Receipt				

INVOICE DATE	
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CUSTOMER-TO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
*TOTAL LABOR: *TOTAL PARTS: *TOTAL MISC.: *TOTAL EPA.: *TOTAL SHOP.: *TOTAL MACHINE:				
SUBTOTAL		TAX STATUS/STATE		SALES TAX
				PLEASE PAY
				CONTINUED
				TERMS
				Due on Receipt

INVOICE DATE	
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CUSTOMER-PO	Order No.	INATH-NUMBER	CUSTOMER-ADVISOR	SALES REP

SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
			2528.04
			TERMS Due on Receipt

INVOICE DATE	
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CUSTOMER NO.	BRANCH
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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
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Cust Unit # 9	License #
Phone #	Contact #
COMPLETION DATE: 01/16/2019	
RTL UNIT:	YEAR: 2013 MAKE/MODEL: PETERSILT/579:PBT
SERIAL: 1XPBD49X4DD193822	MILEAGE: 523,685
Date in Service....: 12/10/2012	Front Diff Model...:
Engine Make/Model...: CUMMINS/ISX15	Front Diff Serial...:
Engine Serial No....: 79623257	Rear Diff Model....:
Trans Model.....: /	Rear Diff Serial...:

Job 1 ADVISE ON CEL

ADVISE ON CEL CUSTOMER STATE SAME ISSUE AND HAS BNEEN IN SHOP FOR SAME ISSUE
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NEED TO RUN A REGEN AND A RESTRICTION TEST.
Tech 3139 on 2019-01-10 at 11:18:07
ran a manual regen. DPF inlet temp reached about 1100* and out lt same. ran a restrction test and unit passed.
test drove unti and unti did not set any other codes.
called Cummins Teh support, CASE# 1-76674113197
was asked to email an ecm image and a regen log.
shut down.
ran another regen while recording. set EM inmage to regen datalog to Cummins
after talking with Cummins, they recommended replacing DPF.
removed and replaced DPF.
clearedf all codes.
test drove unit. inspected for nay exhaust leaks from DPF mounting - none.

Sales Qty	UOM	Item number	Item description	CORE	Unit rate	Per	Extension
1.000	EA	2871578RX:CX	FILTER,PARTICULATE	EXC			
1.000	EA	2871581D-C1:CX	FILTER,PARTICULATE-CORE	CHG			
1.000	EA	2880215:CE	GASKET, AFM DEVICE	1			

SUBTOTAL

TAX STATUS/STATE

SALES TAX

PLEASE PAY

CONTINUED

TERMS

Due on Receipt

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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
2.000 EA	2871453:CE	GASKET, AFM DEVICE	1	
LABOR SUBTOTAL: PARTS SUBTOTAL: MISC SUBTOTAL.: EPA FEE SUBTOTAL.: SHOP SUPPLIES FEE.: MACHINE CHARGE.: JOB SUBTOTAL.:				
Job 99 Cores				
Sales Qty UOM	Item number	Item description	CORE Unit rate	Per Extension
- 1.000 EA	2871561D-C1:CK	FILTER,PARTICULATE-CORE	RET	
LABOR SUBTOTAL: PARTS SUBTOTAL: MISC SUBTOTAL.: EPA FEE SUBTOTAL.: SHOP SUPPLIES FEE.: MACHINE CHARGE.: JOB SUBTOTAL.:				
Employee(s) on above job :				
SUBTOTAL		TAX STATUS/STATE	SALES TAX	PLEASE PAY
				CONTINUED
				TERMS
				Due on Receipt

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CUSTOMER-PO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP
*TOTAL LABOR: *TOTAL PARTS: *TOTAL MISC.: *TOTAL EPA.: *TOTAL SHOP.: *TOTAL MACHINE:				
SUBTOTAL		TAX STATUS/STATE		SALES TAX
				PLEASE PAY
				CONTINUED
				TERMS
				Due on Receipt

INVOICE DATE	
01/16/2019 14:04:05CST	
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CUSTOMER-FO	Order No.	MAIN-NUMBER	CUSTOMER-ADVISOR	SALES REP

SUBTOTAL	TAX STATUS/STATE	SALES TAX	PLEASE PAY
			2528.04
			TERMS
			Due on Receipt