

HARRISBURG
7833 LINGLESTOWN RD
HARRISBURG, PA 17112
(717) 540-3850 | 855-265-4160

HAGERSTOWN
14563 INDUSTRY DR
HAGERSTOWN, MD 21742
(240) 513-2050 | 800-864-8164

OTHER REPAIR SHOPS

CARLISLE
25 ROADWAY DR
CARLISLE, PA 17015
800-828-6878

EPHRATA
889 EAST MAIN ST
EPHRATA, PA 17522
800-732-0019

www.CumberlandTruck.com

REPRINT

CUSTOMER INVOICE
Repair Order #:

8R4569

8R4569

Repair Shop:

HAGERSTOWN

Service Writer:

Assist Case #:

Open Date:

RXH*RXH

Open Time:

01-31-19

Closed Date:

02:56PM

03-22-19

MVP Authorization:

Page 1 of 6

Customer Information				Vehicle Information						
Sold To:	CASH-TAXABLE MAYURAC INC 7816 xxxxx GLENDALE GREENS, NY 11385 929 257xxxx			Year:	Make / Model:	Inservice Date:	Inservice Mileage:	VIN:		
				2012	VOLVO /			4V4NC9EH9		
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:		
				149	592205	D13 / 971456				
				Trans:	VOLVO AUTO / ATO2612D					
				Rear Axle:	SHNO3767846 DST40141 SHNO3767847					Ratio:
Customer #:	1520	PO #:		Memo:						

1 R&R FLEX PIPE AT SCR & DPF
removed and replaced flex pipe. cleaned off all old gasket material
and installed new gaskets
TOTAL LABOR 210.00
TOTAL PARTS 786.82

Qty	Part Number	Desc	Unit	Extended
2	21095726	GASKET	13.20	26.40
		B/O RELEASE 1-8Y5456S	CONFIRM # 1636	
1	21533396	PIPE	648.10	648.10
		B/O RELEASE 1-8Y5998S	CONFIRM # 2657	
1	20557917	RELAY	112.32	112.32

2 R&R THERMOSTAT
removed upper rad hose. removed housing. removed and replaced
thermostat with new and new gasket after cleaning mating surface.
cleaned all old gasket off housing and reinstalled. reinstalled upper
rad hose.
TOTAL LABOR 105.00

3 PARTS IF NEEDED
TOTAL PARTS 78.48

Qty	Part Number	Desc	Unit	Extended
1	TDA-R109994P	NEW ADSP	17.30	17.30
1	VPO-120549	OIL/GAL	61.18	61.18

4 ** OIL & FILTER SPECIAL SERVICE SPECIAL **

Customer Information				Vehicle Information				
Sold To:	CASH-TAXABLE MAYURAC INC 7816 74 GLENDALE GREENS, NY 11385 929 25			Year:	Make / Model:	Inservice Date:	Inservice Mileage:	VIN:
				2012	VOLVO /			4V4NC9EH9
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:
				149	592205	D13 / 971456		
				8R4569				
*** ENGINE OIL AND OIL FILTER SPECIAL ***								

DRAIN AND REPLACE ENGINE OIL, REPLACE FUEL AND OIL FILTERS.

UPDATE SERVICE STICKER. SERVICE SPECIAL INCLUDES PRIMARY OIL FILTER(S)
FUEL FILTER(S) AND CHOICE OF BULK OIL UP TO 42 QUARTS. ADDITIONAL
FLUIDS AND FILTERS ARE AN ADDITIONAL CHARGE. SALES TAX, SUPPLY AND
ENVIRONMENTAL FEES ARE NOT INCLUDED

____ ROTELLA ____ DELVAC ____ DELO
START QUARTS: ____ END QUARTS: ____ TOTAL: ____
CHANGED FILTERS AND OIL
SERVICE SPECIAL

244.99

Trans: VOLVO AUTO / ATO2612D

Rear Axle: SHNO3767846 DST40141 SHNO3767847

Ratio: 3.25

Customer #: 1520

PO #:

Memo:

Qty	Part Number	Desc
2	BWN-B76	Full-Flow
1	BWN-B7685	By-Pass L
35	SEQ-500010048	15W40.QT
4	SEQ-500010048	15W40.QT

5 CHECK-22 IS A COMPLIMENTARY VISUAL VEHICLE INSPECTION PROVIDED AS A
SERVICE TO OUR CUSTOMERS. IT DOES NOT CONSTITUTE A WARRANTY OF ANY
KIND. THE TECHNICIAN'S INSPECTION IS LIMITED ONLY TO THE
DESCRIPTIONS AND COMPONENTS IDENTIFIED ON OUR CHECK SHEET. OUR
INTENTION IS TO ASSIST THE VEHICLE OPERATOR TO IDENTIFY OBVIOUS
MECHANICAL CONDITIONS PRIOR TO A FAILURE DURING OPERATION. THIS BASIC
VISUAL INSPECTION IS NOT A SUBSTITUTE FOR A COMPREHENSIVE FULL
MECHANICAL EVALUATION OR PREVENTIVE MAINTENANCE PROGRAM.

PERFORMED CHECK 22

TRANSMISSION WILL NEED SERVICED SOON

TOTAL LABOR 39.75

TOTAL SERVICE DISCNT -39.75

Qty	Part Number	Desc	Unit	Extended
-1	CHECK-22	SAF CHECK	39.75	-39.75

6 REMOVE TRANSMISSION. CHECK AND ADVISE WRONG THROWOUT BEARING, IMPROPER
PRESSURE ON CRANK
removed battery cables & disconnected air line. disconnected all
wiring. removed drive shaft. removed bell housing bolts. once
transmission was removed, found clutch cylinder leaking. removed
clutch cylinder and module. installed new clutch cylinder and module
with new air line. reinstalled transmission. had to get new air line
and fitting. reconnected wiring. reinstalled driveshaft. found oil

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				2012	VOLVO /			4V4NC9EH9
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:
				149	592205	D13 / 971456		
				8R4569				
lines leaking due to orings removed and replaced orings. Transmission								

lines leaking due to orings. removed and replaced orings. Transmission will need serviced soon.

TOTAL LABOR

1,260.00

TOTAL PARTS

1,522.96

B/O RELEASE 1-8Y5798S CONFIRM # 2292

Qty	Part Number	Desc	Unit	Extended
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1	22809232	CLTCH CYL	1,065.40	1,065.40
1	20992763	AIR HOSE	52.75	52.75
1	22327069	SOL VALVE	352.01	352.01

B/O RELEASE 8Y5898S CONFIRM # 2476

1	CAT-SOS1MT	TEST KIT	19.93	19.93
1	967343	O-RING	20.57	20.57

1	COR-962-8	DOT-PTC-1	9.50	9.50
2	SNV-451032	1/2 NYLON	1.40	2.80

Trans: VOLVO AUTO / ATO2612D

Rear Axle: SHNO3767846 DST40141 SHNO3767847

Ratio: 3.25

Customer #: 1520

PO #:

Memo:

7 INFRAME REBUILD OF THE ENGINE

drained coolant. removed air cleaner and cac hoses. removed intake manifold & grid heater. disconnected all wiring on drivers side to head. removed intake manifold. removed fuel line and coolant line on drivers side head. removed air compressor intake and egr cross over. removed venturi pipe and bracket. removed from engine lift bracket and thermostat. removed top rad hose. removed coolant housing on pass side of head. remove valve cover and dog box. removed upper rear cover and turbo after disconnecting all wiring and coolant lines. removed egr valve from manifold. removed rocker arm shaft and injectors. removed cam damper and gear after marking postion. removed cam shaft. removed timing gear plate bolts from back of head. removed bolts for idler gear. drained oil and removed filters. removed oil pick up & cross overtube. removed dipstick and fill tube. removed engine strengthing plate and oil pump. removed old head from truck and removed exhaust manifold. disconnected piston connecting rod from crankshaft and removed all pistons. removed cylinder liners and cleaned bores and removed old orings. removed and replaced all crankshaft main cap bearing and thrust washer. cleaned fire deck and installed new cylinder liners with new orings. removed and replaced 1-5 piston heads and wrist pins with new. checked cylinder liner protrusion. installed pistons in engine. ensured all main caps were properly torqued before installing liners. torqued all connecting rod bolts to proper spec. reinstalled oil pump and stiffening plate. installed oil pick up and crossover tube. torqued all bolts for stiffening plate to spec. reinstalled oil pan and oil dipstick and fill tube. filled engine with 40 qts of oil. ensured fire deck was clean and free of oil. installed new head gasket and installed exhaust mainfold on head.

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				2012	VOLVO /			4V4NC9EH9
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:
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				8R4569				
installed head on engine and torqued head bolts to proper spec								

installed head on engine and torqued head bolts to proper spec.

installed all cam bearing bridges and installed new camshaft bearings.

installed cam shaft and injectors in head. installed rocker arm shaft

and torqued all to spec. ensured engine was at top dead center and

reinstalled cam gear and damper. reinstalled timing gear plate bolts

and idler gear bolts and torqued all to spec. cleaned and reinstalled

intake manifold with new seal and torqued bolts. reconnected all

wiring to head. reinstalled turbo and egr valve. reinstalled

thermostat, coolant housing, lift bracket, venturi pipe and bracket.

reconnected all coolant and oil lines for turbo and reconnected

wiring. reinstalled top rad hose and filled with coolant. reinstalled

upper rear cover with new gasket and installed valve cover with new

gasket. reinstalled cac pipes and egr crossover with new orings.

reinstalled dog box and air cleaner. programmed acm and ecm. performed

cylinder balance test. test passed. performed regen with no issues.

pulled truck back in shop and checked over for leak. no leaks found.

all bolts tight. all fluids full. cleared codes.

TOTAL LABOR 2,835.00

TOTAL PARTS

212.74

Qty Part Number

Desc

Unit Extended

Trans: VOLVO AUTO / ATO2612D

Rear Axle: SHNO3767846 DST40141 SHNO3767847

Ratio: 3.25

Customer #: 1520

PO #:

Memo:

100 SPF-DB-75 PAD/EACH 0.67 67.00

2 PER-81950 PERMATEX 4.81 9.62

1 1677354 3.25MM 10.40 10.40

B/O RELEASE 1-8Y5523S CONFIR

1 21054149 BALL SOCK 13.44 13.44

1 PER-80697 PERMATEX 8.32 8.32

1 20566175 FITTING 18.61 18.61

2 20855371 GASKET 12.80 25.60

3 3M-7525 DISC/EA 8.61 25.83

B/O RELEASE 1-8y5972s CONFIRM # 2606

1 20592787 V-BAND CL 33.92 33.92

8 R&R OIL DIPSTICK TUBE

found dipstick tube broken once oil pan was removed. ordered new

dipstick and installed once oil pan was reinstalled on truck.

checked for leaks. no leaks.

TOTAL LABOR 105.00

TOTAL PARTS

135.35

B/O RELEASE 1-8Y5806S CONFIR

Qty Part Number

Desc

Unit Extended

1 21363816 DIPSTICK 90.65 90.65

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				2012	VOLVO /			4V4NC9EH9
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:
				149	592205	D13 / 971456		
				8R4569				
B/O RELEASE 1-8Y5816S			CONFIR					

Customer Information				Vehicle Information				
Sold To:	CASH-TAXABLE MAYURAC INC 7816 74 GLENDALE GREENS, NY 11385 929 25			Year:	Make / Model:	Inservice Date:	Inservice Mileage:	VIN:
				2012	VOLVO /			4V4NC9EH9
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:
				149	592205	D13 / 971456		
				8R4569				
5			VPO-120549		QTL / GAL			

5 VPO-120549

OIL/GAL

B/O RELEASE 1-8Y5974S CONFIRM # 2613

1 20779040

KIT

15 REPAIR CAC LEAK

had to cut two band clamps off and install two new band clamps to keep
cac tube from leaking and put a new heilcoil in bolt hole that holds
valve in cac tube old one came out put valve back on no more leaks at
valve or at hoses in cac tube tested drove truck no more noise.

TOTAL LABOR

105.00

TOTAL PARTS

15.86

Qty	Part Number	Desc	Unit	Extended
1	BRZ-B9224-0356	B9224-035	6.98	6.98
1	BRZ-B9224-0356	B9224-035	6.98	6.98
1	HR	HCOIL	1.90	1.90
SUPPLIES & MATERIALS				50.00
ENVIRONMENTAL FEE				2.20

SALES CUST SERV LBR 540.8 5,442.99
 SUPPLIES AND MATERAL 542.8 52.20
 SALES CUST SERV PART 551.8 3,245.75
 SALES TAX 221.1 192.36
 PLEASE PAY THIS TOTAL 112.8 8,933.30

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8R4569 *8R4569*

Customer Information				Vehicle Information				
Sold	To: CASH-TAXABLE MAYURAC INC 7816 GLENDALE GREENS, NY 11385 929							
				Year:	Make / Model:	Inservice Date:	Inservice Mileage:	VIN:
				2012	VOLVO /			4V4NC9EH9
				Unit #:	Mileage:	Engine Model / Serial #:	Engine Hours:	License:
				149	592205	D13 / 971456		
				Trans:	VOLVO AUTO / ATO2612D			
				Rear Axle:	SHNO3767846 DST40141 SHNO3767847			Ratio: 3.25

Customer #: 1520

PO #:

Memo:

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Disclaimer of Warranties:

The factory warranty constitutes all of the warranties with respect to the sale of this item/items. Cumberland Truck hereby expressly disclaims all warranties, either express or implied including any implied warranty of merchantability or fitness for particular purpose, and Cumberland Truck neither assumes nor authorizes any other person to assume for it any liability in connection with the sale of this item/items.

Customer: X _____

Date:

CUSTOMER INVOICE