

**Billing
Customer:**

**Owning
Customer:**

Phone:

Fax:

Customer P/O:

Unit Number: N-11

479,159 Miles

Year:

2008

Manufacturer:

PETERBILT

Model:

388

VIN:

1XPWDB0X48D760359.

Unit Components:

Manufacturer

Model

Description

Serial Number

CAT

C-15

ENGINE

SDP07243

Comments:

Job: 1 Dept: SERVICE 91110-100 REPAIR AS NEEDED

Complaint: POSSABLE HEAD GASKET, OIL LEAK.

Cause: THE BLOCK IS CRACKED ON #4 LINER FLANGE. MADE ESTIMATE TO REPLACE THE SHORT BLOCK AND PUT THE TRUCK BACK TO FACORY CONDITION.

Correction: PULLED THE TRUCK IN THE SHOP AND VERIFIED THE COMPRESSION IN THE COOLING SYSTEM. DRAINED THE COOLANT OUT AND REMOVED THE CYLINDER HEAD. FOUND THE LINER FLANGE WAS CRACKED ON #4, FURTHER TROUBLESHOOTING FOUND THE BLOCK WAS CRACKED ON THE LOWER FLANGE SEAT AREA. SENT ALL THE PICTURES AND WARRANTY REPORT TO CATERPILLAR TO GET THE WARRANTY PROCESS STARTED AND THEY INFORMED US THE ENGINE HAD BEEN DELETED AND THAT WARRANTY WOULD NOT APPLY. ADVISED THE CUSTOMER OF THE SITUATION AND THEY ELECTED TO REPAIR THE ENGINE BACK TO FACTORY CONDITION UNDER CUSTOMER PAY. REMOVED THE RADIATOR AND THE HOOD. REMOVED THE TRANSMISSION AND ENGINE FROM THE CHASSIS DISSASSEMBLED THE ENGINE DOWN TO SHORT BLOCK AND REPLACED THE SHORT BLOCK WITH CATERPILLAR REMAN. REPLACED THE SPACER PLATE AND THE HEAD. ASSEMBLED THE ENGINE BACK TOGETHER TO FACTORY CONDITION AND INSTALLED THE ENGINE BACK INTO CHASSIS. STABBED THE TRANSMISSION AND RADIATOR. REPLACED ALL THE FILTERS ON THE ENGINE AND FILLED WITH FRESH OIL AND COOLANT. INSTALLED THE HOOD BACK ON THE TRUCK AND REPROGRAMED THE ENGINE BACK TO THE FACTORY PROGRAMING WHEN OPT OVERHUALED. REPLACED THE DPF FILTER WITH REMAN, THE OLD ONE HAD THE CENTER CUT OUT OF IT AND COULD NOT BE TURNED BACK IN FOR A CORE CREDIT. RAN THE ENGINE, NO LEAKS ALL OK. STEAM CLEANED THE ENGINE GOOD AND PAINTED CATERPILLAR YELLOW. TEST DROVE THE TRUCK ALL OK NO PROBLEMS. RAN A STATIONARY REGEN AND REGEN COMPLETED SUCCESSFULLY, NO CODES ALL OK. RETURNED THE TRUCK TO SERVICE

Comments:

| Supplier/Emp | Part/Labor | Description/Reference | Unit of Measure | Quantity | Price | Extended Price |
|--------------|-------------------------|---------------------------------|-----------------|----------|-------|----------------|
| 0119 | 15W40 ROTELLA B - QUART | SHELL 15W-40 TRIPLE T | QT | 40.00 | | |
| 0124 | FUL 4305294 | SHIFT TOWER GASKET | EA | 1.00 | | |
| 0124 | PHM 1 1936 | EYELET YELLOW | EA | 1.00 | | |
| 0124 | PHM 1 1937 | EYELET YELLOW | EA | 1.00 | | |
| 0124 | PHM 1 1962 | BUTT SPLICE-BLUE | EA | 2.00 | | |
| 0124 | PHM 5 025 | WIRE LOOM | FT | 7.00 | | |
| 0124 | SP 127760 | 2" CLUTCH BRAKE | EA | 1.00 | | |
| 0124 | SP 5007417 | BOLT FOR STAP KIT takes 4 | EA | 2.00 | | |
| 0124A | BRZ CT 200 L SS | CLAMP 1 1/4 X 2 1/8 | EA | 1.00 | | |
| 0124-T | FG AF25248 | AIR FILTER | EA | 2.00 | | |
| 0124-X | PHM 2 145 | 10G RED | EA | 1.00 | | |
| 0124-X | PHM 8 43147 | TIES | EA | 6.00 | | |
| 0124-X | PHM 8 43147 | TIES | EA | 8.00 | | |
| 0124-X | PHM 8 44147 | TIES | EA | 12.00 | | |
| 1214 | 05-16401 | FRONT MOTOR MOUNT | EA | 2.00 | | |
| 1214 | 92429TS | BOLT, 5/8-18X41/2 8GD | EA | 4.00 | | |
| 1214 | 92504TS | BOLT, 3/4 10X4-1 | EA | 2.00 | | |
| 1214 | 94585TS | 5/8-18 LOCK | EA | 4.00 | | |
| 1214 | 94586TS | 3/4-10 LOCK | EA | 2.00 | | |
| 1214 | MR1001 | MOTOR MOUNT | EA | 4.00 | | |
| 1510 | BRY 0120 | BRAKE AND PARTS CLEANER | EA | 4.00 | | |
| 1510 | GAT 27004 | FUEL HOSE | EA | 1.00 | | |
| 1510 | GT 060690HD | BELT | EA | 1.00 | | |
| 1510 | GT K121049HD | BELT | EA | 1.00 | | |
| 1510 | PEX 82194 | GREY SILICONE | EA | 1.00 | | |
| 2311 | DW1 | DISTILLED WATER | EA | 6.00 | | |
| 2312 | 10R-6089 | C15 DPF FILTER | EA | 1.00 | | |
| 2312 | 10R-6089-C | C15 DPF FILTER (CORE) | CHG EA | 1.00 | | |
| 2312 | 10R-9173 | CYL BLOCK | EA | 1.00 | | |
| 2312 | 10R-9173-C | CYL BLOCK | RET EA | -1.00 | | |
| 2312 | 10R-9173-C | CYL BLOCK (CORE) | CHG EA | 1.00 | | |
| 2312 | 110-0004 | O-RING | EA | 1.00 | | |
| 2312 | 165-6170 | PLUG | EA | 3.00 | | |
| 2312 | 1802776 | GREEN CEMENT | EA | 1.00 | | |
| 2312 | 1P-0436 | PRIMER PUMP GASKET | EA | 1.00 | | |
| 2312 | 1P-8362 | O-RING | EA | 1.00 | | |
| 2312 | 1U-5516 | 2" BUFFING DISC | EA | 5.00 | | |
| 2312 | 20R-0409 | HEAD GP CYL | EA | 1.00 | | |
| 2312 | 20R-0409-C | HEAD GP CYL | RET EA | -1.00 | | |
| 2312 | 20R-0409-C | HEAD GP CYL (CORE) | CHG EA | 1.00 | | |
| 2312 | 223-3505 | SEAL-PRESS/COMP | EA | 1.00 | | |
| 2312 | 242-3360 | BULK HOSE BLUE SILICONE SOLD IN | EA | 17.00 | | |
| 2312 | 248-1394 | GASKET KIT | EA | 6.00 | | |
| 2312 | 281-8261 | SLEEVE EXHAUST | EA | 6.00 | | |
| 2312 | 336-2952 | KIT - GASKET | EA | 1.00 | | |

Comments:

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|---------------|------------|------------------------|-----------------|----------|-------|----------------|
| 2312 | 339-3768 | ANTIFREEZE, REGULAR | EA | 6.00 | | |
| 2312 | 342-9547 | KIT - GASKET | EA | 1.00 | | |
| 2312 | 437-3252 | KIT GASKET | EA | 1.00 | | |
| 2312 | 437-3323 | KIT GASKET | EA | 1.00 | | |
| 2312 | 438-8150 | KIT GASKET | EA | 1.00 | | |
| 2312 | 445-6792 | KIT GASKET | EA | 1.00 | | |
| 2312 | 458-9587 | CAT YELLOW PAINT | EA | 3.00 | | |
| 2312 | 479-0860 | KIT GASKET | EA | 1.00 | | |
| 2312 | 5M-2894 | 3/8 FLAT WASHER | EA | 8.00 | | |
| 2312 | 6D-1004 | GASKET-POWER STEERING | EA | 1.00 | | |
| 2312 | 6I-4421 | SPACER PLATE CYL-BLOCK | EA | 1.00 | | |
| 2312 | 6V-1197 | SEAL | EA | 1.00 | | |
| 2312 | 6V-5266 | O-RING DRAIN TUBE | EA | 1.00 | | |
| 2312 | 6V-5759 | IVA SEAL O-RING | EA | 1.00 | | |
| 2312 | 6V-8225 | M6 X 1.00 NUT | EA | 2.00 | | |
| 2312 | 8T-4994 | 3/4 FLAT WASHER | EA | 2.00 | | |
| 2312 | 8T-7751 | HAND PAD | EA | 1.00 | | |
| 2312 | 9M-1974 | 5/16 WASHER | EA | 2.00 | | |
| 2312C | 0S-1594 | 3/8 X 1 P&O BOLT | EA | 8.00 | | |
| 2312C | 0S-1617 | 5/16 X 3/4 BOLT | EA | 1.00 | | |
| 2312C | 1A-9579 | 5/16 X 1 1/2 P&O BOLT | EA | 2.00 | | |
| 2312F | 1R-0749 | FUEL FILTER | EA | 1.00 | | |
| 2312F | 1R-1808 | OIL FILTER | EA | 1.00 | | |
| 2312F | 256-8753 | FUEL/WATER SEPERATOR | EA | 1.00 | | |
| SUBLT | SUBLET | ECM RERATE/CAT | EA | 1.00 | | |
| Labor Summary | | | | 140.00 | | |

Job: 2 Dept: SERVICE 91610-300 ECM DIAG

Complaint: AFTER THE REPAIR OF THE ENGINE THE CHECK ENGINE LIGHT WAS ON WITH ACTIVE CODES IN THE ECM

Correction: FOLLOWED THE TROUBLESHOOTING STEPS AND FOUND THE ARD HEAD IS FAILED AND NEEDS REPLACED. REPLACED THE ARD HEAD AND FILTER FITTINGS. CLEARED ALL CODES AND RAN A STATIONARY REGEN. REGEN COMPLETED AND NO CODES RETURNED. TEST DROVE THE TRUCK AND AN ACTIVE EVENT CAME UP FOR LOW FLOW TO THE CLEAN GAS INDUCTION SYSTEM. FOLLOWED THE TROUBLESHOOTING STEPS AND FOUND THE BELLOWS PIPE BETWEEN THE DPF FILTER AND THE COOLER WAS WELDED TO BLOCK OFF THE FLOW OF GASES TO THE COOLER. REPLACED THE PIPE WITH NEW AND TEST DROVE THE TRUCK AGAIN, RUNS GREAT NOW, NO CODES, NO EVENTS, RUNS LIKE IT SHOULD NOW.

| Supplier/Emp | Part/Labor | Description/Reference | Unit of Measure | Quantity | Price | Extended Price |
|--------------|------------|-----------------------|-----------------|----------|-------|----------------|
| 1214 | 078-0245 | GASKET-EXHUAUST | EA | 2.00 | | |
| 1214 | 90-0011TCP | CLAMP-V BAND 2 | EA | 2.00 | | |
| 1214 | EBKW11866 | BELLOW-EXHUAUST | EA | 1.00 | | |

Comments:

| Supplier/Emp | Part/Labor | Description/Reference | Unit of Measure | Quantity | Price | Extended Price |
|---------------|------------|-----------------------|-----------------|----------|-------|----------------|
| 2312 | 214-7567 | O-RING | EA | 1.00 | | |
| 2312 | 289-3107 | GASKET | EA | 1.00 | | |
| 2312 | 296-7780 | GASKET | EA | 1.00 | | |
| 2312 | 353-8397 | CONNECTOR | EA | 1.00 | | |
| 2312 | 353-8398 | CONNECTOR | EA | 1.00 | | |
| 2312 | 419-5656 | HEAD AS COMB | EA | 1.00 | | |
| Labor Summary | | | | 15.92 | | |

Customer Tax ID:

Detail Tax Information
SALES TAX

Total Parts:
Total Core Charges:
Total Core Returns:
Total Labor:
Total Miscellaneous: _____
Total Shop Supplies:
Total Environmental Charge: _____
Invoice Subtotal:
Total Tax: _____
Invoice Total: \$50,887.75

Payment Terms:

Sale Type:

!! - Indicates non-returnable parts.
Quotes are good for 30 days only.
All quotes are estimates only, actual price may vary.
Customer signature of the quote will indicate authorization to proceed.

Signed by (please sign and print)