

## Unit

06R0081401 MARK DAVIS

EQUIPMENT MAKE PETERBILT

EQUIPMENT MODEL 379

ENGINE MAKE DETROIT DIESEL

EQUIPMENT S/N (VIN) 1XP5DR9XXND312971

Arrival Time: 7/16/13 11:30 Close Time: 8/30/13 10:25

VEH MILES: 55204 TRUCK#: 1267

1-YEAR/100,000

COMPLAINT: OIL LEAK, POSSIBLE FRONT CASE

CAUSE: BULL GEAR, HEADGASKET

CORRECTION: PULLED UNIT INTO THE SHOP. CHECKED FOR OIL LEAK  
FOUND THE THE FRONT COVER IS LEAKING. SPOKE WITH THE  
CUSTOMER AND GOT THE APPROVAL TO RESEAL THE FRONT COVER.  
DRAINED THE OIL AND THE COOLANT. REMOVED THE FRONT COVER  
CLEANED THE COVER AND INSPECTED FOR ANY DAMAGE. INSTALLED  
NEW SEALS AND GASKETS. PUT FRONT COVER BACK ON THE UNIT AND  
TORQUED ALL TO SPEC. FILLED UNIT WITH COOLANT AND OIL.  
STEAMED OFF THE ENGINE. STARTED THE UNIT AND CHECKED FOR  
LEAKS. NOTICED THE THE FRONT CORNER OF THE HEAD WAS LEAKING.  
CALLED THE CUSTOMER AND LET THEM KNOW THAT THE HEADGASKET IS  
LEAKING. CUSTOMER GAVE THE APPROVAL TO REMOVE THE HEAD AND  
REPLACE THE GASKET. AFTER REMOVING THE HEAD. DRAINED THE  
COOLANT. REMOVED THE VALVE COVER AND THE HEAD. AFTER THE  
HEAD WAS REMOVED WE CHECKED THE LINER PRETUSION AND FOUND  
ALL 6 LINER TO BE OFF. CALLED THE CUSTOMER AND HE HAS  
DECIDED TO GO AHEAD AND PERFORM A STEP 3 OVERHAUL. DRAINED  
THE OIL, REMOVED THE OIL, OIL PUMP AND ALL 6 PISTONS AND  
LINERS. CUT THE BLOCK FOR THE TLC. CUT ALL 6 COUNTER BORES.  
INSTALLED THE NEW LINERS WITH SEAL RINGS. INSTALLED THE  
PISTONS. INSTALLED THE ROD AND MAIN BEARINGS AND TORQUED TO  
SPEC. INSTALLED THE OIL PUMP, AND THE OIL PAN. BUILT AND  
INSTALLED THE NEW HEAD. INSTALLED THE INJECTORS, THERMOSTAT  
HOUSING, INTAKE AND EXHAUST MANIFOLDS. TORQUED ALL TO SPEC.  
INSTALLED THE NEW ROCKERS AND ADJUSTERS ON THE SHAFTS. RAN

TOTAL UNITS

PART TOTAL

CORE TOTAL

FREIGHT

HANDLING

OTHER

TAX

ACCOUNT IS DUE AND PAYABLE BY 10TH OF MONTH FOLLOWING DATE OF INVOICE. ALL PAST DUE  
ACCOUNTS WILL BE CHARGED 1 1/2 % INTEREST PER MONTH (18% PER ANNUM). ALL RETURNED  
GOODS MUST BE ACCOMPANIED BY THE INVOICE. RETURNED GOODS SUBJECT TO RESTOCKING  
CHARGE. NO REFUND OR ANY CREDIT ON PART IF IT HAS BEEN INSTALLED.

RCVD.  
BY: XPAY THIS  
AMOUNT →

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THE OVERHEAD. INSTALLED THE VALVE COVER. INSTALLED NEW WATER PUMP, AND NEW TURBO. INSTALLED THE NEW OIL SENDING UNIT. INSTALLED NEW DIPSTICK AND TUBE. CHANGED OIL AND FUEL FILTER FILLED UNIT WITH NEW OIL AND COOLANT. STARTED THE UNIT AND CHECKED FOR LEAKS. NO LEAKS FOUND. STEAMED UNIT OFF. BACKED UNIT INTO THE DYNO BAY. CHAINED THE UNIT DOWN TO THE DYNO. COULD NOT PERFORM A FULL CHASSIS DYNO DUE TO NOT HAVING THE PROPER CONNECTOR TO GET THE FULL RESULTS. UNIT RUNS GOOD. TOOK THE UNIT TO THE CUSTOMER.

Operation	Description	Seq	Price
00.00-00	CUSTOMER COMPLAINT DIAGNOSIS	1	

Operation	Description	Seq	Price
1	GENERAL REPAIRS	2	
OPERATION TO RESEAL THE FRONT ENGINE COVER.			

Part Number	Description	Ret	Qty	Each	Core	Total
60 23537789	O/C GSKT KIT		1			
60 23518355	M--SEAL		1			
60 23516322	M--GASKET		1			
60 23528491	M--SEAL RING		1			
60 23521111	M--SEAL		2			
60 08929130	M--GASKET		1			
60 08929740	M--RING SEAL		2			
60 08929740	M--RING SEAL		1			
00 23516100	M--GASKET		1			
60 08929299	M--GASKET		2			
IM 73424	3M SFC CND DISC		3			
AM PIC 4620	NON-CHLOR BRAKE		1			
00 23513509	SEALANT GSKT		1			
60 23539104	GASKET		1			
60 23521935	M--SEAL RING		1			
60 23520377	M--O - RING SEA		1			
AM DN P551670	LUBE SPIN		2			
AM MBL 23512704	DDC GENUINE SAE		10			
AM MBL 23512703	DDC GENUINE SAE		1			

TOTAL UNITS	PART TOTAL	CORE TOTAL	FREIGHT	HANDLING	OTHER	TAX
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ACCOUNT IS DUE AND PAYABLE BY 10TH OF MONTH FOLLOWING DATE OF INVOICE. ALL PAST DUE ACCOUNTS WILL BE CHARGED 1 1/2 % INTEREST PER MONTH (18% PER ANNUM). ALL RETURNED GOODS MUST BE ACCOMPANIED BY THE INVOICE. RETURNED GOODS SUBJECT TO RESTOCKING CHARGE. NO REFUND OR ANY CREDIT ON PART IF IT HAS BEEN INSTALLED.

RCVD.  
BY: X

**PAY THIS  
AMOUNT** →

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Part Number	Description	Ret	Qty	Each	Core	Total
60 23533956	TUBE		1			
VV 05-15834	OIL TEMP SENDER		1			
C1 F1	INBOUND FREIGHT		1			
AM TDA R307508	BUSHING		6			
IM 90249	45 FLR M CON 48		1			
AM PH 213 6 300	HOSE		2			
UD B9200-0481	CLAMP		1			
60 23533969	GAUGE		1			

Operation	Description	Seg	Price
99.10-03	STEP UP 3 OPERATION	4	

Part Number	Description	Ret	Qty	Each	Core	Total
60 R23532565	BASIC O/HKT (HW		1			
70 R23508410	TURBO S - 60		1			
60 R5234970S	EUI INJ 6		1			
60 23531604	L/END BRGKT		1			
60 R23531603	RKR ARM CER		1			
60 R23525566	CYL HD ASSY - (		1			
60 R23522707	W/PUMP		1			
60 23512901	VALVE ASSY		1			
60 23528691	M--ELBOW ASSY		1			
60 23539104	GASKET		1			
60 23516322	M--GASKET		1			
60 23504851	M--BOLT		1			
00 05104701	SEAL RING		6			
AM DN P551670	LUBE SPIN		2			
IM 73219	IMPERIALOK R 2		2			
AM PIC 4620	NON-CHLOR BRAKE		2			
60 R23532565	BASIC O/HKT (HWC		1-			
60 R5234970S	EUI INJ 6	C	1-			
60 R23522707	W/PUMP	C	1-			
60 R23531603	RKR ARM CER	C	1-			
60 R23525566	CYL HD ASSY - (C		1-			
AM MBL 23512704	DDC GENUINE SAE		10			
70 R23508410	TURBO S - 60	C	1-			
00 23512138	GAL 6/CS CLT		6			
AM DN P556915	FUEL FLTR		1			
AM DN P556916	FUEL FLTR		1			

TOTAL UNITS	PART TOTAL	CORE TOTAL	FREIGHT	HANDLING	OTHER	TAX	
			RCVD. BY: X				PAY THIS AMOUNT →

[illegible]

2nd Rebuild

3/22/15

Mileage 707367

## CLAIM HEADER

Dst / Dlr 01381-00003 INTERSTATE POWERSYSTEMS			Requested US\$	
Claim Type 05 / * PARTS WNTY			Calculated US\$	
RO Num R003017595:02			Deductible US\$	
RO Date 04-MAR-2014		RO Close Date 19-MAR-2014	Pro Rate Parts	
Delv Date 30-AUG-2013			Exch Rate	
Serial Num 06R0081401			Assigned To PYDYN, DAN by: VAL	
Model 6067GU60		Engine Cvr	Disp Code P PAID - CYCLE 201414 (22-MAR-14)	
Appl Code 32 HIGHWAY TRUCK			Reason Code	
New Unit S/N			Admin Note	
Equip Make PETERBILT				
Equip Model 330			Previous Claim	
Equip VIN 1XP5DR9XXND312971			Modification	
Owner Name MARK DAVIS		Zip 67401	E-policy Num	
Miles / Hrs 52,163 M		Days In Service 1867	Auth Number	
Primary Failed Part R23532565 BASIC O/HKT			Amt	
Fault Type BE OIL SLUDGING			Chargeback Vendor	
Failure Code			Paragon #	
Matl Status		Date	Tech	
Ret Parts Disp		Inspected By	Last Changed By DPVDYN01@25-MAR-2014	
Ret Parts Reason		Date Recvd	Added 19-MAR-2014	
PFP Recvd		CORE Recvd	Validation Attempts 4	
Reman Code		Forward To	Last Date 20-MAR-2014	
Comp Serial Num				
Material Desc				
Material Analysis				

## CLAIM HEADER ERRORS

APPROVED	ERROR CODE	LVL	ERROR MESSAGE
Y	149	2	CLAIM REQUIRES ADMINISTRATOR REVIEW PRIOR TO PAYMENT
Y	204	4	INHIBITED AS PFP. SHOULD THIS PART BE COVERED?

## CLAIM LINES

## PARTS

Line	Part Number		Reqstd Qty	Reduced To Qty	Allowed Qty	Appr	Deny	Dis
101	23539529	LINER KIT	6		6			
102	23503747	RING SET	6		6			
103	23532333	HD GSKT KIT	1		1			
104	23516322	GASKET	1		1			
105	5234699	RING	12		12			
106	5234702	RING	6		6			
107	5104701	RING	6		6			
108	5104701	SEAL RING	6		6			
108	23511870	SEAL	10		10	Y		
109	23512740	BULK OIL 1 GALLON	12		12			
110	23523930	SEAL	12		24	Y		
111	8929573	VALVE LOCK @	24		24			
111	8929573	VALVE LOCK @	1	0	0		Y	Y
112	23503747	RING SET	1		1			
113	23539104	GASKET	1		1			
114	23504851	BOLT	1		1			
115	8929393	BOLT	6		6			
116	11509511	BOLT @	1		1			

# PARTS

Line	Part Number		Reqstd Qty	Reduced To Qty	Allowed Qty	Appr	Deny	Dis
117	P551670	LUBE FLTR	2		2			

# LABOR

Line	Operation	Description	Reqstd Qty	Reduced To Qty	Allowed Qty	Appr	Deny	Dis
101	016000	CYLINDER KIT - R&R (ONE)	13.9		13.9			
102	016001	CYLINDER KIT - R&R (EACH ADDITI	2.0		2.0			
103	132200	ENGINE PERFORMANCE TEST	0.5		0.5			
104	012900	GENERAL OPERATION FOR CYLINDER	2.4		2.4	Y		
105	042000	OIL FILTER ELEMENTS - R&R	0.7		0.7			
106	017900	GENERAL OPERATION FOR CAMSHAFT	1.2		1.2	Y		

# NARRATIVE

## Description of General Labor Ops:

01.79-00 TO CLEAN 6 PISTONS FOR REUSE-1.2hrs, 01.29-00 TIME REQUIRED TO R&R &  
CLEAN ALL EXHAUST VALVES-2.4hrs

Last Changed By

Line	Narrative Text	Last Changed By
101	<p>CHECK FOR ENGINE MISS, SMOKE AND HARD STARTING, RAW DIESEL SMELL. ENGINE HAD STEP 3 OVERHAUL WITH INJECTORS AND RESEALED FRONT COVER AT CENTRAL POWER SYSTEMS REPAIR ORDER: 5 031020 DATED 08.30.2013 AT 855,204 MILES. CUSTOMER ALSO STATES THAT UNIT HAS USED 1 GALLON OF OIL EVERY 1500 - 2000 MILES EVER SINCE THAT OVERHAUL. CENTRAL POWER SYSTEMS PAPERWORK LISTS MILEAGE AT 855,204. MILEAGE SHOULD HAVE READ 655,204. PER TRAIAN GRECU @ DTNA REPLACE ALL LINERS WITH P/N 23539529 LINER KITS TO ELIMINATE IMPROPERLY HONED LINERS USED AT OVERHAUL. RINGS DIDNT SEAT IN LINERS.</p> <p>PUSHED TRUCK INTO STARTED HEARD A LOUD BANG OF METAL ON METAL, LOOK AT ENGINE REMOVED AIR INTAKE DUCTING, REMOVED VALVE COVER, FOUND OIL COMING OUT OF THE EXHAUST MANIFOLD. REMOVED TURBO AND EXHAUST MANIFOLD AND FOUND THAT THE EXHAUST VALVES WERE STICKING ON #1 AND OTHER VALVES LEAKING. ALL EXHAUST VALVES HAVE A LOT OF BURNED ON OIL. DRAINED OIL, DRAINED COOLANT, REMOVED ROCKER ARMS, INJECTORS, CAMSHAFT, REMOVED ALL HARDWARE TO HEAD, REMOVED CYLINDER HEAD FROM BLOCK. ALL LINERS ARE GLAZED LOOKING FROM RINGS NOT SEATED. REMOVED OIL PAN, OIL PUMP AND REMOVED ALL PISTONS, REMOVED CYLINDER LINERS CLEANED TOP OF BLOCK AND STARTED CLEANED HEAD. REMOVED AND CLEANED ALL EXHAUST VALVES, CLEANED AND INSTALLED NEW SEALS ON NEW CYLINDER LINERS, INSTALLED CYLINDER LINERS IN BLOCK. CLEANED, INSTALLED AND TORQUED #6, #5, AND #4 PISTONS AND PUT NEW RINGS ON. CLEANED, INSTALLED AND TORQUED #3, #2, #1 PISTON, INSTALLED NEW RINGS ON PISTON, CLEANED AND INSTALLED OIL PUMP WITH NEW GASKETS. CLEANED AND INSTALLED OIL PAN.</p> <p>WITH NEW OIL PAN GASKET, PRESSURE TESTED INJECTORS, ALL INJECTORS ARE GOOD, VERIFIED CYLINDER LINER PROTUSION. INSTALLED NEW VALVE SEALS ON EXHAUST VALVES AND NEW KEEPFERS. INSTALLED NEW HEAD GASKET, INSTALLED HEAD ON TO BLOCK, TORQUED. INSTALLED LOWER CAM BEARING AND LUBED WITH NEW ENG. OIL, INSTALLED CAM SHAFT, INSTALLED NEW CAM BOLT, INSTALLED CAM CAPS AND CAM UPPER BEARINGS AND LUBED WITH NEW ENG OIL. INSTALLED INJECTORS WITH NEW O RINGS AND UPDATED O RINGS, TORQUED NEW INJECTOR BOLTS. INSTALLED ROCKER ARMS. INSTALLED INJECTOR WIRE AND PUT ON INJECTORS. PERFORMED ENGINE TUNE-UP, FINISHED INSTALLING INJECTOR WIRE HARNESS, INSTALLED REAR END CAM SHAFT CAP. INSTALLED VALVE COVER WITH</p>	



Line	Narrative Text	Last Changed By
	NEW VALVE COVER GASKET, INSTALLED FUEL LINES AND EXHAUST MANIFOLD. INSTALLED TURBO. INSTALLED INTAKE MANIFOLD. PUT NEW OIL FILTERS ON PUT NEW 10 GALLONS OF MOBILE ENGINE OIL IN. PUT IN OLD COOLANT. STARTED TRUCK, TOOK FOR A TEST DRIVE, FOUND NO LEAKS.	