



Sales and Service

CALGARY
4887 35TH STREET S.E.
CALGARY, AB T2B 3H6-
(403)569-1122

UNIT# 610058

AVANTIS	
GL Code:	2002-00-RD2-00
Subtotal:	10834.70
Approval:	
PO #:	584340

K.K.

INVOICE NO

105-54753

REMIT TO: PO BOX 2521 STN M,
CALGARY AB T2P 0T6

GST-SEE BELOW

BILL TO

TRICAN WELL SERVICE *
117 ELBOW DR NE
REDCLIFF, AB T0J 2P0-
T>348

WO# 413145

KLAAS KIKSTRA - 403 348 1393

PAGE 1 OF 5

*** CHARGE ***

DATE	CUSTOMER ORDER NO.	DATE IN SERVICE	ENGINE MODEL	PUMP NO.	EQUIPMENT MAKE
22-FEB-2017	584340	03-MAY-2012	XTA15-E10		KENWORTH
CUSTOMER NO.	SHIP VIA	FAIL DATE	ENGINE SERIAL NO.	CPL NO.	EQUIPMENT MODEL
5043750		08-FEB-2017	79551646	CPL349100	T800
REF. NO.	SALESPERSON	PARTS DISP.	MILEAGE/HOURS	PUMP CODE	UNIT NO.
139983	60034		230883		610058

QUANTITY ORDERED	BACK ORDERED	QUANTITY SHIPPED	PART NUMBER	DESCRIPTION	PRODUCT CODE	UNIT PRICE	AMOUNT
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OSN/MSN/VIN 1XKDD40X0DJ957761

COMPLAINT SYMPTOMS: MAKING UNUSUAL NOISES

UNIT# 610058
ESN: 79551646

CAUSE

NOTICED A BAD TICK, INTAKE VALVE #5.
\$530.90 DIAG HAS BEEN APPROVED
DSID#N/A

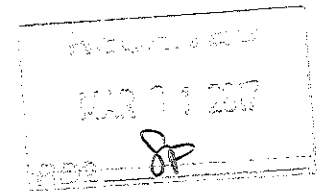
CAMSHAFT FAILURE - #5 INTAKE LOBE.

#5 INTAKE LEVER ROLLER DAMAGED.

MAINS AND RODS ADVISE REPLACEMENT

CORRECTION

REPLACE BUSHINGS AS REQUIRED
- HOOK UP INSITE AND PRINT OUT FAULTS.
- ALL FAULTS OLD EXCEPT FC428, WIF SENSOR.
- REMOVE EGR CROSS-OVER TUBE AND VALVE COVER AND INSPECT CAMSHAFT.
- CONFIRMED #5 INTAKE LOBE AND LEVER ROLLER IS DAMAGED.
- REINSTALL VALVE COVER AND EGR CROSS-OVER TUBE.
- STEAM CLEAN ENGINE.
- DRAIN ENGINE OIL AND CUT OPEN OIL FILTER, NO METAL IN FILTER.
- REMOVE OIL PAN, PICK UP TUBE, STIFFENER PLATE, #1 AND #6 ROD BEARING CAP AND #2 & #5 MAIN BEARING CAP, ROD AND MAIN BEARINGS NEED TO BE REPLACED.
- DISASSEMBLE, CLEAN, AND INSPECT LUBE PUMP, OK FOR REUSE.
- DRAIN COOLANT & REMOVE CAC PIPES, UPPER RAD HOSE, FRONT A/C SHROUD, AND RECOVER A/C 0.41LBS.
- NOTED LEAK AT BLACK PIPE ON A/C COMPR.
- REMOVE RAD SUPPORTS AND LOWER HOSE.



GST NUMBER - 83888 2256 RT

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OSN/MSN/VIN 1XKDD40X0DJ957761

- REMOVE RAD, FAN AND SHROUD, FAN HUB, BELTS, FRT COVER, VALVE COVER.
- LOOSEN SCISSOR GEAR, IDLER GEAR, AND REMOVE CAM GEAR.
- REMOVE ROCKERS, CAM.
- REPLACE CAM BUSHINGS & ROD BEARINGS 1,2,5,6.
- REMOVE AND REPLACE #3 & #4 ROD BEARINGS AND TORQUE TO SPEC.
- REMOVE AND REPLACE ALL STANDARD MAIN BEARINGS, CRANKSHAFT ENDPLAY 0.012.
- INSTALL OIL PUMP, STIFFENER PLATE, PICK UP TUBE, OIL PAN, AND NEW OIL FILTER.
- STEAMED LEFT SIDE OF ENGINE TO REMOVE HEAVY SLUDGE FROM TIMING PIN AREA.
- INSTALL CAMSHAFT, GEARS, BASE TIMING, FRONT COVER, ROCKER SHAFTS, TOP SET, ROCKER COVER.
- INSTALL FAN HUB, NEW BELTS (OLD ONES CRACKED).
- INSTALL EGR CROSSOVER PIPE, FAN, SHROUD, RAD, HOOK UP UPPER AND LOWER RAD HOSES, HOOD CABLES, RAD BRACES, CAC PIPES, RIG SAVER.
- TEST AND FILL COOLANT.
- FILL OIL WITH SHELL ROTELLA OIL.
- RUN ENGINE, CHECK ENGINE LIGHT ON F/C 428, WATER IN FUEL, ONE ACTIVE COUNT.
- HOOK UP INSITE AND T/S W/IF SENSOR FAULT 428.
- UNPLUG AND CHECK CONNECTOR, OK.
- PLUGGED IT BACK IN AND FAULT WENT INACTIVE.
- WIGGLE-TEST WIRING AND FAULT DID NOT RETURN.
- CLEARED FAULTS AND DID FINAL CHECKS.
- TOP UP OIL.
- TEST COOLANT AND PARK UNIT.
- COOLANT -34 C LONG LIFE.

COVERAGE

CUSTOMER BILLABLE

PRODUCT COVERAGE EXPIRED

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BASE WARRANTY DETAILS

MONTHS :24 ,MILES :250000 ,KILOMETERS :402336 ,HOURS :6250

7	7	3685690	BUSHING	CECO	22.24	16.46	115.22
1	1	3679932	GASKET,CAMSHAFT COVER	CECO	13.71	10.02	10.02
1	1	4299125	SEAL,O RING	CECO	21.92	16.02	16.02
1	1	4985660	SEAL,RECTANGULAR RING	CECO	10.77	7.87	7.87
1	1	4298628	CAMSHAFT	CECO	3,221.77	2,384.17	2,384.17
1	1	LF14000-NN	PAC,LF	STOCK IN MEMPHIS FLG	71.89	60.84	60.84
1	1	EHC>203MM	ENVIRONMENTAL CHARGE	NONSTOCK	1.00	1.00	1.00
2	2	550019886	ROTELLA 5W40 SYN OIL 19L	OTHER	239.80	239.80	479.60
2	2	EHC20LT	ENVIRONMENTAL CHARGE	STOCK AT BLUE WAVE NONSTOCK	2.00	2.00	4.00
3	3	550023679	ROTELLA 5W40 SYN OIL 5L	OTHER	63.44	63.44	190.32
3	3	EHC5LT	ENVIRONMENTAL CHARGE	STOCK AT BLUE WAVE NONSTOCK	.50	.50	1.50
1	1	3678756	SEAL,O RING	CECO	12.69	9.27	9.27
1	1	4026684	GASKET,OIL PAN	CECO	329.71	240.96	240.96
1	1	4386048	LEVER,ROCKER	CECO	108.07	79.97	79.97
6	6	4089405	SET,ROD BEARING (STD)	CECO	111.59	81.55	489.30
1	1	3800298	SET,MAIN BEARING (STD)	CECO	449.43	328.45	328.45
1	1	3688113	PLUG,GEAR COVER	CECO	18.57	13.74	13.74
2	2	3687051	CARRIER,SEAL	CECO	31.43	23.26	46.52

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1		1	3033247	SEAL,O RING	CECO	14.83	14.83
1		1	3102802	SEAL,O RING	CECO	6.15	6.15
2		2	3102651	SCREW,HEX FLANGE HEAD CAP	CECO	4.01	8.02
1		1	3687007	SEAL,RECTANGULAR STRIP	CECO	42.65	42.65
1		1	D84-1000-6122180	FAN BELT	NONSTOCK	126.29	126.29
1		1	D84-1000-6061620	ALTERNATOR BELT	NONSTOCK	58.79	58.79

PARTS:	4,735.50
PARTS COVERAGE CREDIT:	0.00CR
TOTAL PARTS:	4,735.50
SURCHARGE TOTAL:	0.00
LABOR:	5,779.20
LABOR COVERAGE CREDIT:	0.00CR
TOTAL LABOR:	5,779.20
MISC.:	320.00
MISC. COVERAGE CREDIT:	0.00CR
TOTAL MISC.:	320.00
DELIVERY CHARGE	20.00
ELECTRONIC TOOL 300	50.00
HAZARDOUS WASTE 300	100.00
CWC SHOP SUPPLIES	150.00
GST	541.74

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You saved \$1,369.76 on your parts.

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SUB TOTAL: 10,834.70

TOTAL TAX: 541.74

TOTAL AMOUNT: CA \$ 11,376.44

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