

Red-Line Power Craft Ltd.
12806 100 St.
Grande Prairie, AB T8V 4H9
Phone: 780-532-4313

Repair Order Internal Invoice

Doc Number: 10678
Service Writer: Travis O'Shea
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Cashier: Trevor Thacker
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RED-LINE POWER CRAFT LTD
12806 - 100 STREET
GRANDE PRAIRIE, AB T8V 4H9

Customer Information

Home Phone: 780-532-4313

Unit

2019 Polaris S19EHM8RS 850 Pro-RMK 174 3"
SC Select

Color:BLACK

Keyboard:

VIN/Serial No:SN1EHM8R2KC332870

Stock #:15371A

Odom/Hrs:1,150

5946-14295A282 - CHECK FOR VIBRATION AFTER RECENT WORK DONE TO ENGINE

Description:

Resolution: STARTED UNIT UP AND GOT UNIT UP TO TEMP AND TOOK IT FOR A RIDE IN THE YARD AND COULD NOT DUPLICATE ISSUE AT THIS TIME
-WHEN I TALKED TO CUSTOMER HE MENTIONED THAT WILL NEED TO GET UP TO 40 KMS OR HIGHER AND THEN I COULD FEEL THE VIBRATION THROUGH THE HANDLE BARS
- WILL NEED TO TAKE UNIT FOR A RIDE SOMEWHERE WHERE THERE IS A COUPLE OF FEET OF SNOW SO I CAN GIVE UNIT SOME MORE POWER TO TRY AND DUPLICATE ISSUE AT THIS TIME I CANT SAY THERE IS AN ISSUE WITH THE ENGINE
- UNIT FIRES RIGHT UP WITH NO ISSUES AND COMPRESSION IS 120 PSI ON BOTH SIDES
-CHECKED OVER PRESSURE IN CENTRE LOWER BEARING OIL FITTING AND IT OPENS AT 6 PSI. PTO SIDE OIL LINE OPENS AT 3PSI, SEEMS TO BE GOOD AND NOT PLUGGED
-RMEOVED Y-PIPE AND EXHAUST VALVES, DID NOT FIND ANY ISSUES WITH EXHAUST VALVES
-TOOK A CAMERA TO INSPECT CYLINDERS AND AND FOUND A BIT OF SCORING ON MAG ON EXHAUST SIDE. DOES NOT LOOK BAD
-I USED A DEGREE WHEEL AND CHECKED CRANK TO SEE IF CRANK IS TRUE AND FOUND 1 DEGREE DIFFERENCE BETWEEN TO 2 CYLINDERS
-CALLED POLARIS TO LET THEM KNOW AN THEY APPROVED TEAR DOWN TO REPLACE CRANK AND WHATEVER ELSE IS FOUND
-PULLED ENGINE FROM UNIT AND TORE DOWN ENGINE
-WHEN I WAS ABOUT TO SPLIT CRANK CASES I FOUND A BOLT MISSING BY PTO SIDE OF INTAKE AND ALSO BOLT BY PTO ON EXHAUST SIDE IS LOOSE
-SEEMS LIKE ENGINE BEARING SEIZED AND CAUSED BOLTS TO LOOSEN AND PULLED ONE BOLT OUT, THAT SIDE OF CRANK CASE IS THE REASON WHY ENGINE HAD VIBRATION ON HIGH RPMS. WILL NEED TO SEE IF POLARIS WILL APPROVE A LONG BLOCK FOR THIS UNIT SINCE THIS UNIT HAS HAD ENGINE ISSUES SINCE CUSTOMER BOUGHT UNIT

-INSTALLED ORIG WATER PUMP SHAFT AND INSTALLED NEW SNAP RING
-INSTALLED NEW OIL SEAL AND WATER PUMP SEAL WITH INSTALLATION TOOL
-INSTALLED WATER PUMP IMPELLER AND INSTALLED WATER PUMP COVER WITH NEW SEAL AND TORQUED TO SPEC IN SEQUENCE
-RECIEVED NEW CRANK CASES AND CRANK, INSTALLED CRANK IN CRANK CASES AND USED GREEN LOC TITE ON PTO BEARING, USED SEALANT FOR CRANK CASES
-DID NOT NEED TO INSTALL OIL FITTING SINCE UPDATED ONE WAS ALREADY INSTALLED
-TORQUED CRANK CASES TO SPEC IN SEQUENCE
-INSTALLED ALL MOTOR MOUNTS TO CRANK CASES
-INSTALLED BASE GASKET AND INSTALLED ORIG PISTONS AND RINGS AND THEN INSTALLED ORIG CYLINDER. TORQUED CYLINDER TO SPEC IN SEQUENCE
-INSTALLED O-RINGS IN HEAD AND INSTALLED HEAD AND TORQUED TO SPEC IN SEQUENCE
-INSTALLED FUEL RAIL WITH NEW GREEN BUSHINGS AND TORQUED TO SPEC
-INSTALLED REEDS AND THROTTLE BODY BOOTS AND TORQED TO SPEC
-INSTALLED STATOR AND ROUTED WIRES AND ZIP TIED TO PROPER LOCATION
-INSATLLED FLYWHEEL AND TORQUED TO SPEC 90FT LBS

Resolution:-INSTALLED RECOIL COVER AND TORQUED IN SEQUENCE

-INSTALLED NEW PLUGS THAT WERE UNDER THE HOOD IN COMPARTMENT

-ADDED OIL TO PTO BEARING, LOWER PTO CONNECTING BEARING PTO AND LOWER MAG ROD BEARING. 20ML IS EACH -

INSTALLED ENGINE INTO UNIT AND TORQUED ENGINE MOUNT BOLTS TO SPEC

-INSTALLED NEW EXHAUST GASKET AND INSTALLED Y-PIPE

-INSTALLED EXHAUST VALVES AND TORQUED TO SPEC IN SEQUENCE

-INSTALLED ALL WIRES IN PROPER LOCATION AND ZIP TIED ALL WIRES

-INSTALLED COOLANT LINES AND INSTALLED CLAMPS

-INSTALLED EXHAUST SYSTEM AND PLUGGED IN SENSORS

-HOOKED UP DIGITAL WRENCH AND RESET OIL CALIBRATION AND LEFT FUEL AS IT WAS

-I DID A RELEARN ON EXHAUST VALVES AND IT OPERATED PROPERLY WITH NO ISSUES

-PRIMED FUEL SYSTEM AND ALSO PRIMED OIL SYSTEM, AND MADE SURE NO BUBBLES IN OIL LINES

-ADDED COOLANT AND FIRED ENGINE UP AND BLED SYSTEM -I DID NOTICE OIL COMING OUT OF EXHAUST DONUT BY Y-PIPE, REMOVED EXHAUST SYSTEM AND INSTALLED NEW DONUT, I ALSO CLEANED OIL THAT CAME OUT

-STARTED UNIT AND NOW EXHAUST IS SEALED PROPERLY

-INSTALLED CLUTCHES AND TORQUED TO SPEC, INSTALLED NEW DRIVE BELT SINCE THIS BELT WAS GLAZED AND ALSO RIBS HAVE SOME FLAT SPOTS, INSTALLED NEW BELT AND RAN ENGINE AND RETOURED CLUTCHES

-UNIT IS DONE AND READY FOR A TEST RIDE TO MAKE SURE IT IS ALL GOOD FOR RESALE

Parts

Part #	Qty	Description	Price	Discount	Total
7042029	1.00	EXHAUST SPRING LONG	WARRANTY	WARRANTY	WARRANTY
2208236	1.00	K-CRANKCASE 1206143	WARRANTY	WARRANTY	WARRANTY
5416613	1.00	SEAL- FLANGED,40X80X7,W/STNDO	WARRANTY	WARRANTY	WARRANTY
3023343	2.00	CIRCLIP-PISTON,23MM	WARRANTY	WARRANTY	WARRANTY
2208235	1.00	K-CRANKSHAFT 1205752	WARRANTY	WARRANTY	WARRANTY
5411359	2.00	O-RING	WARRANTY	WARRANTY	WARRANTY
5411675	2.00	O-RING- 3.625X3.765X.70,	WARRANTY	WARRANTY	WARRANTY
5814504	1.00	GASKET-CYL BASE	WARRANTY	WARRANTY	WARRANTY
5416669	1.00	SEAL- WATERPUMP,	WARRANTY	WARRANTY	WARRANTY
3610067	1.00	SEAL,W/PUMP 98-99 600XC	WARRANTY	WARRANTY	WARRANTY
5417218	1.00	SEAL- OIL,30X12X6,W/STNDOFF	WARRANTY	WARRANTY	WARRANTY
7710858	1.00	RING-RTNG,D1300-0300A	WARRANTY	WARRANTY	WARRANTY
5416132	2.00	SEAL-BASE, CYL EXH VALVE	WARRANTY	WARRANTY	WARRANTY
5814505	1.00	GASKET-EXH MANIFOLD	WARRANTY	WARRANTY	WARRANTY
5416911	1.00	SEAL-FLANGED 35X45X7,MAG	WARRANTY	WARRANTY	WARRANTY
7721117	1.00	KEY WOODRUFF	WARRANTY	WARRANTY	WARRANTY
5436287	2.00	INJECTOR BUSHING	WARRANTY	WARRANTY	WARRANTY
3610299	1.00	ELASTOMER GREEN SEAL-EXHAUST SOCKET	WARRANTY	WARRANTY	WARRANTY
Parts Subtotal					WARRANTY

Labor

Description	Hours	Total
	WARRANTY	WARRANTY
Labor Subtotal		WARRANTY
Job Subtotal		WARRANTY
Approve: ☒	Decline: ☐	

REPLACE REAR FLAP

Description:SEE CRAIG AS HE WANTS TO REPLACE IT WITH THE ONE THAT CAME OFF ONE OF HIS DEMO

Resolution:INSTALL NEW SNOW FLAP, SNOW FLAP SUPPLIED FROM SALES

Parts

Part #	Qty	Description	Price	Discount	Total
7621467	4.00	RIVET BLIND	\$1.99	(\$1.15)	\$3.36
Parts Subtotal					\$3.36

Labor

Description	Hours	Total
	0.23	\$27.60
Labor Subtotal		\$27.60
Job Subtotal		\$30.96
Approve: ☒	Decline: ☐	

CHECK BATTERY

Description: TEST BATTERY

SOMETIMES IT HOLDS CHARGE AND SOMETIMES IT DOESN'T

Resolution: -BATTEYR HAD 12.8 VOLTS AND UNIT FIRES RIGHT UP WITH BATTERY NO ISSUES FOUND WITH BATTERY

Labor

Description	Hours	Total
	0	\$0.00
Labor Subtotal		\$0.00
Job Subtotal		\$0.00
Approve: ☒		Decline: ☐

REPLACE SPARK PLUGS

Description:

Resolution: REPLACED THE SPARK PLUGS. UNIT IS RUNNING GOOD AGAIN.

Parts

Part #	Qty	Description	Price	Discount	Total
XX-BPR9ES	2.00	SPARK PLUG BPR9ES SOLID	\$5.99	(\$3.36)	\$5.26
Parts Subtotal					\$5.26

Labor

Description	Hours	Total
	0.4	\$48.00
Labor Subtotal		\$48.00
Job Subtotal		\$53.26
Approve: ☒		Decline: ☐

BELT, ANTIFREEZE ECT..

Description:

Parts

Part #	Qty	Description	Price	Discount	Total
GD-PREHDMF-3.78	1.00	ANTIFREEZE 50/50 HD EXTENDED LIFE LITE YELLOW ENG/COOLANT	\$17.99	(\$4.59)	\$13.40
3211216	1.00	BELT-DRIVE 11.5CD CVTMBL	\$243.99	(\$72.45)	\$171.54
Parts Subtotal					\$184.94
Job Subtotal					\$184.94
Approve: ☒					Decline: ☐

All Jobs Subtotal:	\$269.16
Taxable - 5.00%:	\$261.00
Total:	\$0.00
Less Deposits:	(\$52.50)
Debit Card:	\$52.50
Total Due:	\$0.00