



Wajax
17604 105 Avenue NW
Edmonton AB T5S 1G4

INVOICE

2023170003578

1 (4)

Invoice date	Due date	Order number	Your order number	Reference	Order date
12/Jan/2023	11/Feb/2023	TG0-7100083833	223107	1-877-GO-WAJAX	21/Nov/2022

Payer C190318

Payer address

C M FORESTRY SERVICES LTD
PO BOX 245
KINUSO AB T0G 1K0

Contact ERIC
Phone 780-849-8504
Fax
E-mail NA

Customer C190318

Location address

C M FORESTRY SERVICES LTD
BOX 245
KINUSO AB T0G 1K0

Entered by Yelyzaveta Hrychukha
Phone 780 483 6641
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E-mail yhrychukha@wajax.com

Delivery method	Delivery terms	Payment terms	Delivery date
None	Service	Net 30 days	12/Jan/2023

Line	Product / Description	Fleet number	Lot/Serial no	Service
1	875 TIGERCAT LOGGER Brand TIGERCAT Meters Hours: 5599.00 KM: 0.00 Miles: 0.00 TIGERCAT WARRANTY CHECK AND ADVISE ON ENGINE =====	340333	8750637	FIELD
NOVEMBER 25, 2022-TRAVEL TO SITE, SIGNED IN AT OFFICE THEN PROCEEDED TO UNIT FUEL PUMP DOESN'T COME WITH GEAR, MADE ARRANGEMENTS WITH CUSTOMER, WAS ABLE TO GET A GEAR. INSTALLED GEAR THEN FUEL PUMP, CONNECTED ALL FUEL LINES AND PRIMMED. STARTED UNIT, NO GO PRIMMED FUEL SYSTEM AGAIN AND STILL NOTHING. PLUGGED COMPUTER INTO UNIT, CRANKED ENGINE OVER STILL NO FUEL PRESSURE. RECHECKED WORK, PUMP IS INSTALLED PROPERLY. CHECKED ALL OTHER SENSORS EX CRANK AND CAM. NO FAULT CODES. HISTORY ON UNIT IS THE TURBO WENT OVER SPEED ENGINE, CUSTOMER REPLACED TURBO BUT RIGHT AFTER ENGINE STILL OVER SPEED. THEY SHUT IT DOWN AND TRIED TO START AGAIN BUT NOTHING. CALLED INTO TIGERCAT. RELAYED THE INFO GIVEN TO TIGERCAT. TIGERCAT BELIEVES IT'S THE INJECTORS, WHEN OVER SPEED HAPPENS THE TIPS BLOW OFF. UPDATED CUSTOMER. TOLD HIM I'LL BE BACK IN THE AM FOR I HAD ANOTHER LOG LOADER DOWN AT ANOTHER MILL TO ATTEND TO. NOVEMBER 26, 2022- TRAVEL TO SITE PERFORMED A FEW MORE TESTS, CONFIRMED INJECTORS TIPS ARE BLOWN OFF. TOOK VIDEO				



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AND SET TO CUSTOMER. PACKED UP SIGNED OUT AT OFFICE AND TRAVELED BACK TO CITY.

DECEMBER 14, 2022- TRAVEL UP TO SLAVE LAKE. ARRIVED ON SITE, SIGNED IN AT THE OFFICE THEN WENT TO UNIT IN LOG YARD BATTERIES DEAD AGAIN USED MANUAL PUMP TO OPEN THE HOOD AND SIDE DOOR REMOVED THE VALVE COVER, COMMON RAIL, AND INJECTOR TUBES. REMOVED NUMBER SIX INJECTOR. THE TIPS ARE COMPLETELY MELTED. USED A LIGHT TO TRY TO LOOK DOWN THE HOLE. SAW THAT THE BORE WAS BADLY DAMAGED. NEW INJECTORS WOULDN'T FIT DUE TO THE DAMAGE. UPDATED THE CUSTOMER, SENT SOME EMAILS TO TIGERCAT. I NEED A BORE SCOPE TO LOOK INSIDE THE CYLINDERS, WAS ABLE TO GET MY HANDS ON ONE BUT IT WILL BE THE NEXT DAY. CONTINUED TO REMOVE THE REMAINING FIVE INJECTORS. ALL INJECTORS ARE THE SAME EXCEPT FOR ONE AND TWO CYLINDERS. PLACED VALVE COVER BACK ON AND USED A PARTS BAG TO CONTAIN THE LOOSE HARDWARE. CLOSED SIDE AND HOOD, SIGNED OUT THEN TRAVELED OUT.

DECEMBER 14, 2022-TRAVEL TO UNIT SIGNED IN AT OFFICE VALVE OVER WAS ALREADY REMOVED PRIOR, REMOVED COVER USED BORE SCOPE TO INSPECT CYLINDERS. COUPLE HOLES, I COULDN'T GET THROUGH HOLE IS MELTED. OTHER CYLINDERS SHOW INTERNAL DAMAGE. EMAILED TIGERCAT, ENGINE HAS EXTENDED WARRANTY. PUT A PARTS LIST TOGETHER AND SENT IN. UPDATED CUSTOMER, MADE A GAME PLAN WITH THE SITE CONTACT. LOG LOADER IS BLOCKED IN BY DECKS OF WOOD. ASKED FOR THE ONE DECK TO PILE TO BE CLEARED. ONCE PARTS COME IN WILL LET CUSTOMER KNOW AS WELL AS THE CONTACT AT THE MILL.

DECEMBER 21, 2022-TRAVEL TO SITE. WENT THROUGH THE PRECAUTIONS AND SAFETY OF JOB SCOPE. I MENTIONED THAT THE LOG PILE THAT WAS STACKED RIGHT BEHIND THE COUNTERWEIGHT AND OFF TO THE INSIDE OF UNIT WILL HINDER ME FROM COMPLETING MY TASK. WENT OUT WITH SUPERVISOR MADE A GAME PLAN TO MOVE DECK AND OTHER LOGS. OPERATOR CAME BY MOVED A FEW LOGS AND CALLED IT GOOD, I TOLD HIM WHAT I NEEDED BUT HE SAID HE CAN'T AND CARRIED ON. CALLED SUPERVISOR TOLD HIM I NEED MORE TO BE MOVE. THEN CALL CUSTOMER, ARRANGED FOR NEXT WEEK WHEN HIS OPERATOR WILL BE THERE AND CAN HELP. SIGN OUT BUT BEFORE TALKED TO THE SAFETY, TOLD THEM TO POST PONE THE JOB.



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JANUARY 4 2023- TRAVEL TO SITE. UNIT IS ON A LOG DECK, ALSO NOT EVEN GROUND SO THE UNIT SLOPS TO THE LEFT. LIFTER WILL BE AWKWARD AND NO EASILY DONE. AREA NOT QUITE CLEARED OUT, HAD OPERATOR MOVE LOGS AND DEBRIS FROM ENTRY. GOT STUCK, WITH HELP GOT UNSTUCK. POSITIONED TRUCK RIGGED OUT CRANE AND STARTED REMOVING EXHAUST/AFTERTREATMENT, STAIRS, LADDER, AIR CLEANER/PILLAR, ELECTRICAL, DRAINED COOLANT, REMOVED COOLANT PIPES, REMOVED AIR TO AIR PIPES, STARTER, ALTERNATOR, A/C COMPRESSOR, GUARDS AROUND BELTS, ETC.

JANUARY 5, 2023- TRAVEL TO SITE. REMOVED PUMP STACK REMOVED ENGINE AND LIFTED OUT. SWAPPED COMPONENTS OVER FROM OLD ENGINE TO NEW ENGINE. INSPECTED FLEX ELEMENT, IS WAS DAMAGED REPLACE FLEX ELEMENT AND DRIVE GEAR, FOLLOWED PROCEDURE FOR INSTALLATION. INSTALLED ENGINE THEN THE PUMPS. STARTED PUTTING COMPONENTS BACK TOGETHER IN REVERSE FROM DISASSEMBLY. ROUTED ELECTRICAL/WIRING HARNESS CONNECTED. REPAIRED ELECTRICAL.

JANUARY 6, 2023- TRAVEL TO SITE. FINISHED OTHER ELECTRICAL CONNECTIONS. INSTALLED LADDER, AND AIR CLEANER/PILLAR. CHASED BOLTS HOLES FOR THE SCR BRACKET/MOUNT. INSTALLED THE SCR SYSTEM. USED NEW GASKETS AND INSTALLED EXHAUST PIPES. CONNECTED MORE ELECTRICAL. INSTALLED FUEL FILTER HOUSING AND FUEL HOSES. INSTALLED ANOTHER HYD PUMP TO ENGINE'S AUX. ADDED COOLANT AND NEW OIL TO ENGINE. FINISHED WITH OTHER CONNECTIONS AND INSTALLATIONS BEFORE PRIMING FUEL SYSTEM. OLD ENGINE WAS DELETED WHERE THE NEW ONE ISN'T. UPON START UP HAD ALARMS PERTAINING TO THE AFTERTREATMENT OR SCR. LET UNIT RUN CHECKING FOR LEAKS OR ANY ISSUES. DOUBLE CHECKED WORK. LET OPERATOR MOVE UNIT FROM AREA, HE TESTED IT AS WELL. NO FURTHER ISSUES TO THE INSTALL OF THE ENGINE. PACKED UP AND LOADED UP OLD ENGINE TRAVEL BACK TO EDMONTON.
NEW ENGINE S#: 1997566
OLD ENGINE S#: 000001715827

JAN 11/2023-SUBMITTED TO C2#869607

6100093158/7100083833



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Tr no	Line type	Op/Item / Description	Quantity	U/M	Price	Discount amt	Handling chg	Total
1	Miscellaneous	FREIGHTOUT freight	1.00	EA				
56	Miscellaneous	WTYUNRECOVERABL UNRECOVERABLE FREIGHT	1.00	EA				
20	Material	16324 PREMIXANTIFREEZE	4.00	EA				
15	Material	211574 O-RING	6.00	EA				
3	Material	212625 O-RING	1.00	EA				
2	Material	223142_A FUEL PUMP	1.00	EA				
40	Material	550048912 TELLUS S4 VX 32 AM_1*5UGL_NAMD	2.00	EA				
22	Material	550054526 ROTELLAT6 0W40 CK4_1*5UGL_A1WJ	2.00	EA				
38	Material	7100000001 Core Charge	1.00	EA				
37	Material	92403BS02 KIT,ENGINE,FPT N67 2 Lot/Serial no 2212190000001031	1.00	EA				
57	Material	92403BS02 Core Credit Lot/Serial no TG1860002248900001	-1.00	EA				
17	Material	BH776 GASKET,MARMON,4 1/2	2.00	EA				
25	Material	BJ089 COUPLER,SAE 3 TORSIO	1.00	EA				
4	Labor	0002 Field	70.50	HRS				
Environmental Charge								0.00
Shop Supplies								0.00
Sub total								0.00

Order total

0.00

Remit To: **WAJAX LIMITED**
C25067C/U
PO BOX 2521, STATION M
CALGARY AB T2P 0T6

GST/HST: 105570915RT00002
QST: 1012792138TQ0002

Terms and Conditions: Wajax's Standard Terms and Conditions of Sale (including its standard Products and Services Warranties), which are publicly available online at <https://www.wajax.com/terms-conditions/>, form an integral part of this agreement and are hereby incorporated herein by reference. By signing or otherwise accepting this document, Customer acknowledges having read and accepts Wajax's Standard Terms and Conditions of Sale. 370419935807414813 COS184PF M3 PRD 100WLT

Item with core charge: If the core item is returned within 60 days, in full condition, the whole charge will be refunded. A 60 days late return will decrease the refund by 20%. No refund will be granted after 120 days from the shipping of the Core Charge Item.