

# DO NOT PAY

REQUEST FOR PO# ONLY

# TOROMONT



www.toromontcat.com  
460 SOUTH SERVICE ROAD, STONEY CREEK, ON L8E 2P8 (905) 561-5901

SOLD TO:



<b>INVOICE NUMBER</b>
HM50412
<b>INVOICE DATE</b>
23-06-20

WORKORDER NO.	REPAIR DATE	UNIT NO.	ACCOUNT NO.	P.O. NO.	PAGE
HM50412	31-03-20		7278160	730	1
MAKE	MODEL	SERIAL NO.	M/HR	GST/HST #:	
AA	3508	023Z01598		89213-5443-RT0001	

SEGMENT: 30

AS PER QUOTE 187499  
COMPLETE OVERHAUL ON 3508 ENGINE

**CUSTOMER COMPLAINT:**  
PERFORM MAJOR ENGINE OVERHAUL  
**RESULTANT DAMAGE:**  
\*\*\*ALL WORK COMPLETED IN COMPLIANCE WITH AND IN LIGHT OF COVID-19 GUIDELINES\*\*\*  
**REPAIR PROCESS COMMENTS:**  
USING FORKLIFT, RAISE UNIT AND PLACE ROLLERS UNDERNEATH FRAME RAILS TO ALLOW MOVEMENT OF UNIT INTO SHOP  
ROLL UNIT INTO SHOP  
REMOVE ALTERNATOR DOGHOUSE AND WIRING  
UNBOLT AND REMOVE ALTERNATOR, SET ASIDE FOR OVERHAUL  
DRAIN ALL FLUIDS FROM UNIT  
UNBOLT AND REMOVE RADIATOR. SHIP RADIATOR TO REPAIR SHOP FOR FLOW AND PRESSURE TESTING  
DISASSEMBLE ENGINE TO BARE ENGINE BLOCK. REMOVE BLOCK FROM FRAME RAILS AND FLIP OVER FOR CRANKSHAFT REMOVAL  
SHIP AFTERCOOLER TO RADIATOR REPAIR SHOP FOR PRESSURE AND FLOW TESTING  
TAKE FRAME RAILS TO WASH BAY. CLEAN AND DEGREASE FRAMERAILS, AND CLEAN OUT ENGINE OIL PAN  
REMOVE CRANKSHAFT AND INSPECT. CRANKSHAFT SHOWING LIGHT SCRATCHING. PERFORM POLISHING OF JOURNALS WITH FINE CROCUS CLOTH  
CLEAN CRANKSHAFT AND ALL INTERNAL OIL GALLERIES  
INSPECT ALL PARTS NOT BEING REPLACED FO RE-USE ACCORDING TO CAT RE-USABILITY GUIDE  
CLEAN AND INSPECT ENGINE CRANKCASE AND CLEAN ALL INTERNAL OIL GALLERIES AND PASSAGES  
CREATE LIST OF EXTRA PARTS NEEDED AND SUBMIT TO CUSTOMER.  
INSPECT CYLINDER BLOCK DECK FOR DEFECTS AND FLATNESS  
INSTALL CRANKSHAFT AND NEW MAIN BEARINGS. USING PLASTIGAUGE, VERIFY CRANKSHAFT JOURNAL CLEARANCES WITHIN SPECIFICATIONS  
INSTALL REMAN CYLINDER PACKS. CYLINDER LINER HAS BEEN UPDATED, THE LINER FLANGE HAS BEEN

INVSER1-1-2020-06-11



PROFORMA INVOICE  
Actual Invoice to Follow

HM50412-7278160-001

*Thank you. We appreciate your business.*  
Toromont Cat  
A Division of Toromont Industries Ltd.  
3131 Highway 7 West, P.O. Box 5511  
Concord ON L4K 1B7

# DO NOT PAY

REQUEST FOR PO# ONLY



www.toromontcat.com  
460 SOUTH SERVICE ROAD, STONEY CREEK, ON L8E 2P8 (905) 561-5901

SOLD TO:



<b>INVOICE NUMBER</b>
HM50412
<b>INVOICE DATE</b>
23-06-20

WORKORDER NO.	REPAIR DATE	UNIT NO.	ACCOUNT NO.	P.O. NO.	PAGE
HM50412	31-03-20		7278160	730	2
MAKE	MODEL	SERIAL NO.	M/HR	GST/HST #:	
AA	3508	023Z01598		89213-5443-RT0001	

INCREASED. DUE TO THIS UPDATE NEW CYLINDER HEAD SPACER PLATES ARE REQUIRED USING PLASTIGAUGE, VERIFY CONNECTING ROD BEARING JOURNAL CLEARANCE MEASURE AND RECORD CRANKSHAFT END PLAY INSTALL UPDATED REMAN CYLINDER HEADS. THIS UPDATED HEAD OMITTS THE USE OF ADJUSTABLE VALVE BRIDGES, NEW FLOATING VALVE BRIDGES WERE INSTALLED REPLACE CAMSHAFT BEARINGS INSTALL REMAN WATER PUMP INSTALL REMAN ENGINE OIL PUMP INSTALL REMAN TURBO CARTRIDGES REASSEMBLE ENGINE WITH NEW GASKETS, SEALS, AND ORINGS FOR ALL SURFACES, TUBES, AND LINES. REMOVE ALL PLUGS FROM CRANKCASE AND RESEAL AS NEEDED INSTALL REMAN FUEL INJECTORS, AND FUEL PUMP PERFORM FUEL INJECTOR RACK SYNCRONIZATION PROCEDURE PERFORM FUEL RACK POSITION CHECK TO VERIFY PROPER FUEL SETTINGS PERFORM VALVE CLEARANCE AND INJECTOR ADJUSTMENT PROCEDURE RECIEVED REPAIRED RADIATOR, AND INSTALL FILL UNIT WITH NEW COOLANT AND INSPECT FOR LEAKS FILL ENGINE CRANKCASE WITH NEW CAT DEO ULS 15W-40. PRE-LUBE LUBRICATION SYSTEM FROM UNFILTERED SIDE THROUGH NEW OIL FILTERS WITH 60L OF NEW 15W-40

EMP# 8471 - ROLLED UNIT OUTSIDE AND COMPLETED INITIAL RUNTESTING TO VERIFY OPERATION OF ENGINE AND ALTERNATOR POST OVERHAUL. COMPLETED CRANK AND CONNECTING ROD BEARING TEMPERATURE CHECKS AFTER INITIAL RUN TEST. PRELUBED ENGINE PRIOR TO RUN TESTING; OK. UNIT RAN WELL. NO LEAKS. PAINTED ENGINE POST OVERHAUL.

FIRM ALL 131540.30 \*

SEGMENT 30 TOTAL 131540.30 T

SEGMENT: 31

EXTRAS ABOVE QUOTE AS PER QUOTE 188338

INVSRL1-202006-11



PROFORMA INVOICE  
Actual Invoice to Follow

HM50412-7278160-002

Thank you. We appreciate your business.  
Toromont Cat  
A Division of Toromont Industries Ltd.  
3131 Highway 7 West, P.O. Box 5511  
Concord ON L4K 1B7

# DO NOT PAY

REQUEST FOR PO# ONLY



www.toromontcat.com  
460 SOUTH SERVICE ROAD, STONEY CREEK, ON L8E 2P8 (905) 561-5901

SOLD TO:



<b>INVOICE NUMBER</b>
HM50412
<b>INVOICE DATE</b>
23-06-20

WORKORDER NO.	REPAIR DATE	UNIT NO.	ACCOUNT NO.	P.O. NO.	PAGE
HM50412	31-03-20		7278160	730	3
MAKE	MODEL	SERIAL NO.	M/HR	GST/HST #:	
AA	3508	023Z01598		89213-5443-RT0001	

**CUSTOMER COMPLAINT:**  
EXTRA ITEMS NOT INCLUDED IN ORIGINAL QUOTE  
**REPAIR PROCESS COMMENTS:**  
REMOVE ALL ENGINE TIMING GEARS.  
SEND OUT GEARS TO MACHINE SHOP, TO HAVE BUSHINGS  
INSTALLED AND FITTED TO SPECIFICATIONS  
PRESS OUT AND REPLACE ALL OTHER BUSHINGS FOR GEAR  
TRAIN END PLATES AND COVERS  
REPLACED ALL GEAR TRAIN THRUST WASHERS

REMOVED COOLING FAN DRIVE HUB.  
DISASSEMBLE AND CLEAN PARTS  
PACK NEW BEARINGS WITH CAT UTILITY GREASE AND  
INSTALL  
BELT ADJUSTMENT PISTON IS SIEZED IN HUB. EXTRACT  
PISTON, CLEAN BORE AND REPLACE  
REASSEMBLE WITH NEW BEARINGS AND FILL HUB WITH  
GREASE.  
INSTALL ON UNIT WITH NEW FAN BELTS AND ADJUST  
TENSION  
REPLACE CHARGING SYSTEM ALTERNATOR BELT

ATTEMPTED TO REMOVE BLOCK PLUGS BETWEEN AIR INTAKE  
CAVITY AND COOLING SYTEM FOR RESEAL  
PLUGS COULD NOT BE REMOVED WITHOUT USING HEAT FROM  
TORCH. PLUGS WERE DAMAGED DURING REMOVAL  
REPLACED PLUGS AND SEALS AS NEEDED

FIRM ALL 8086.51 \*  
SEGMENT 31 TOTAL 8086.51 T

SEGMENT: 33

AS PER QUOTE 189612  
REPLACE STATOR

**CUSTOMER COMPLAINT:**  
PMG STATOR MEGGER TEST FAILED.  
**CAUSE OF FAILURE:**  
AGE/NORMAL USE  
**RESULTANT DAMAGE:**  
PMG STATOR HAD BEEN BYPASSED FOR YEARS AND RIGGED

INVSRL1-202006-11



**PROFORMA INVOICE**  
Actual Invoice to Follow

HM50412-7278160-003

*Thank you. We appreciate your business.*  
Toromont Cat  
A Division of Toromont Industries Ltd.  
3131 Highway 7 West, P.O. Box 5511  
Concord ON L4K 1B7

# DO NOT PAY

REQUEST FOR PO# ONLY



www.toromontcat.com  
460 SOUTH SERVICE ROAD, STONEY CREEK, ON L8E 2P8 (905) 561-5901

SOLD TO:



<b>INVOICE NUMBER</b>
HM50412
<b>INVOICE DATE</b>
23-06-20

WORKORDER NO.	REPAIR DATE	UNIT NO.	ACCOUNT NO.	P.O. NO.	PAGE
HM50412	31-03-20		7278160	730	4
MAKE	MODEL	SERIAL NO.	M/HR	GST/HST #:	
AA	3508	023Z01598		89213-5443-RT0001	

TO WORK WITHOUT PMG POWER SUPPLY.  
REPAIR PROCESS COMMENTS:  
ORDERED NEW PMG STATOR AFTER CUSTOMER APPROVAL.  
FIRM ALL 2156.00 \*

SEGMENT 33 TOTAL 2156.00 T

SEGMENT: 34

REPAIR RADIATOR EXTRA  
AS PER QUOTE 188628

CUSTOMER COMPLAINT:  
REMOVE RADIATOR AND SEND OUT FOR REPAIR  
REPAIR PROCESS COMMENTS:  
REMOVED RADIATOR  
SHIP TO BARTON RAD FOR PRESSURE AND FLOW TESTING  
BARTON RAD INFORMED THAT RAD LEAKED TOO MUCH AND  
COULD NOT BE PROPERLY TESTED  
RADIATOR WOULD NEED REPAIRS TO BE TESTED FURTHER  
AFTER DISASSEMBLY AND TESTING RAD WAS FOUND TO BE  
IN POOR CONDITION, AND AFTER CLEANING WAS FOUND  
TO HAVE APPROX 70% CAPACITY  
INFORMED CUSTOMER OF FINDINGS AND RECOMMENDED THAT  
RAD CORES BE REPLACED  
CUSTOMER HAS REQUESTED THAT UNIT BE REASSEMBLE AS  
IS.  
RECIEVED REASSEMBLED RAD AND INSTALLED IN UNIT  
FIRM ALL 6800.00 \*

SEGMENT 34 TOTAL 6800.00 T

TOTAL QUOTED AMOUNT: 148582.81 T

ENVIRONMENTAL 42.00 T

TOTAL BEFORE TAXES: 148624.81  
ONTARIO HST 13% 19321.23 T

INVSRL1-202006-11



PROFORMA INVOICE  
Actual Invoice to Follow

HM50412-7278160-004

Thank you. We appreciate your business.  
Toromont Cat  
A Division of Toromont Industries Ltd.  
3131 Highway 7 West, P.O. Box 5511  
Concord ON L4K 1B7

# DO NOT PAY

REQUEST FOR PO# ONLY

# TOROMONT



www.toromontcat.com  
460 SOUTH SERVICE ROAD, STONEY CREEK, ON L8E 2P8 (905) 561-5901

SOLD TO:



<b>INVOICE NUMBER</b>
<b>HM50412</b>
<b>INVOICE DATE</b>
<b>23-06-20</b>

WORKORDER NO.	REPAIR DATE	UNIT NO.	ACCOUNT NO.	P.O. NO.	PAGE
HM50412	31-03-20		7278160	730	5
MAKE	MODEL	SERIAL NO.	M/HR	GST/HST #:	
AA	3508	023Z01598		89213-5443-RT0001	

NEED TO RENT A GENERATOR?  
CALL US ON OUR 24 HOUR HOTLINE  
1-866-667-5544 FOR ALL YOUR POWER RENTAL NEEDS  
PURSUANT TO THE ONTARIO REPAIR AND STORAGE LIENS ACT, THE MANITOBA  
GARAGE KEEPERS ACT, OR THE GARAGE KEEPERS LIEN ACT OF NUNAVUT, AS  
APPLICABLE, THE UNDERSIGNED HEREBY ACKNOWLEDGES ITSELF INDEBTED TO  
TOROMONT INDUSTRIES LTD. IN THE AMOUNT OF THIS INVOICE.

\*\*  
\* AUTHORIZED NAME (PLEASE PRINT): \_\_\_\_\_  
\*\*

\* SIGNED BY: \_\_\_\_\_  
\*\*

\* TITLE: \_\_\_\_\_

THANK YOU FOR CHOOSING TOROMONT CAT - WE APPRECIATE AND VALUE YOUR  
BUSINESS. YOU MAY BE CHOSEN TO PARTICIPATE IN A TELEPHONE SURVEY.  
IF YOU ARE NOT 100% SATISFIED AND CANNOT RESPOND WITH A 9 OR 10,  
PLEASE CONTACT GINNIE HOWE (CUSTOMER EXPERIENCE MANAGER) AT  
CUSTOMEREXPERIENCE@TOROMONT.COM OR (416) 667-4646. THANK YOU!

\*\*\*\*\*  
GETTING YOUR CAT PARTS JUST GOT EASIER!!  
PLEASE VISIT PARTS.CAT.COM TO FIND OUT HOW!  
\*\*\*\*\*

INVOICE TOTAL: CAD 167946.04

TERMS: INVOICE DUE 30 DAYS FROM INVOICE DATE  
PAST DUE INTEREST WILL BE CHARGED AT THE RATE OF 1.5% PER MONTH (18% ANNUM)  
AFTER INVOICE DUE DATE AND CALCULATED ON THE NUMBER OF DAYS OUTSTANDING.  
CREDIT MANAGER CONTACT: (905) 594-0289 MAIRA KRAMER

INVSRL1-2020-06-11



PROFORMA INVOICE  
Actual Invoice to Follow

HM50412-7278160-005

Thank you. We appreciate your business.  
Toromont Cat  
A Division of Toromont Industries Ltd.  
3131 Highway 7 West, P.O. Box 5511  
Concord ON L4K 1B7