



Chemco Matting

🔒 STATUS

✓ Done

📌 PRIORITY

None

☰ DESCRIPTION

13426hrs

- complaint of coolant leaking while roading unit
- drive to site
- found water pump leaking - needs new
- order new water pump and seals for rod to pick up
- met rod with parts
- replace water pump on site - no bill for parts
- clean up mess and top up coolant
- another complaint has been every once in awhile a red engine warning lights comes on the dash and engine power drops a little
- plugged in and found warning is for low oil pressure
- ran unit and found at 20psi ish the light comes on
- informed rod and going to look into a little further later on

👤 ASSIGNEES

Cory Hunt

📍 LOCATION

Whitecourt Shop

2942 33rd ave

🏠 ASSET

MG-1081

Time & Cost Tracking

⚙️ PARTS USED

Coolant	36 units x \$0.00
Total Parts Cost	\$0.00

🕒 TIME ENTRIES

Cory Hunt	6h 30m 0s x \$43.00
Total Time Duration	6h 30m 0s
Total Time Cost	\$279.50

\$ ADDITIONAL COSTS

No additional costs recorded.

Total Work Order Costs

\$279.50

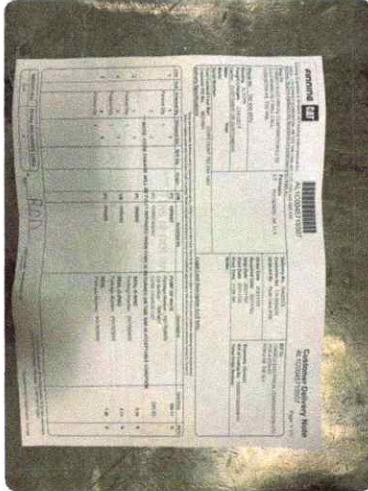
① WORK ORDER INFO

Created by: Cory Hunt on 11/02/2021, 12:24 PM

Last updated on 11/15/2021, 5:06 PM

Completed on 11/15/2021, 5:06 PM

🗨️ COMMENTS



Commented by Cory Hunt on 11/03/2021, 11:34 AM



Chemco Matting

STATUS

✓ Done

PRIORITY

None

DESCRIPTION

13339hrs

- drive to km231 on the eagle tower
- replace cutting edge on wing blade with big heavy blades from shop

ASSIGNEES

Cory Hunt

LOCATION

Whitecourt Shop

ASSET

MG-1081

Time & Cost Tracking

PARTS USED

No parts costs recorded.

TIME ENTRIES

Cory Hunt 6h 30m 0s x \$43.00

Total Time Duration 6h 30m 0s**Total Time Cost** \$279.50

ADDITIONAL COSTS

*No additional costs recorded.***Total Work Order Costs****\$279.50**

WORK ORDER INFO

Created by: Cory Hunt on 03/17/2021, 5:13 PM

Last updated on 03/26/2021, 10:03 AM

Completed on 03/26/2021, 10:03 AM



Chemco Matting

STATUS

✓ Done

PRIORITY

None

DESCRIPTION

13271hrs

- install Rh door and new glass
- coolant low
- top up coolant but now wabasto is air locked - fight with wabasto and get primed
- run wabasto - no leaks????
- replace temp sensor and seal - new sensor must be an update - need new electrical connector end
- drive to site
- replace connector - good

ASSIGNEES

Cory Hunt

LOCATION

Whitecourt Shop

ASSET

MG-1081

Time & Cost Tracking

PARTS USED

No parts costs recorded.

TIME ENTRIES

Cory Hunt	9h 30m 0s x \$43.00
Total Time Duration	9h 30m 0s
Total Time Cost	\$408.50

\$ ADDITIONAL COSTS

Door glass (Other)	\$577.83
Total Additional Costs	\$577.83

Total Work Order Costs	\$986.33
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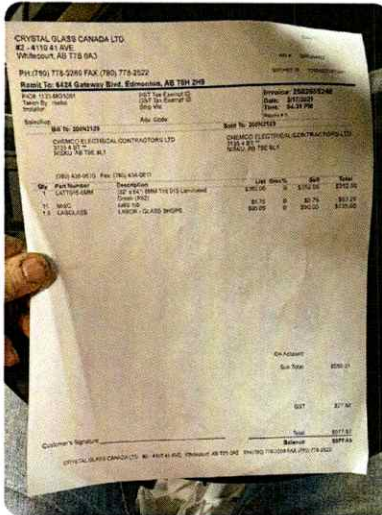
WORK ORDER INFO

Created by: Cory Hunt on 02/18/2021, 5:38 PM

Last updated on 02/25/2021, 1:43 PM

Completed on 02/25/2021, 1:43 PM

COMMENTS



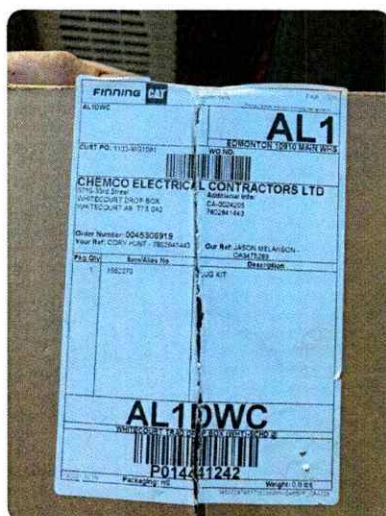
Commented by Cory Hunt on 02/19/2021, 8:04 AM



Commented by Cory Hunt on 02/19/2021, 8:04 AM



Commented by Cory Hunt on 02/19/2021, 8:04 AM



Commented by Cory Hunt on 02/25/2021, 1:42 PM

Signed off by

Date

MG-1081 circle drive



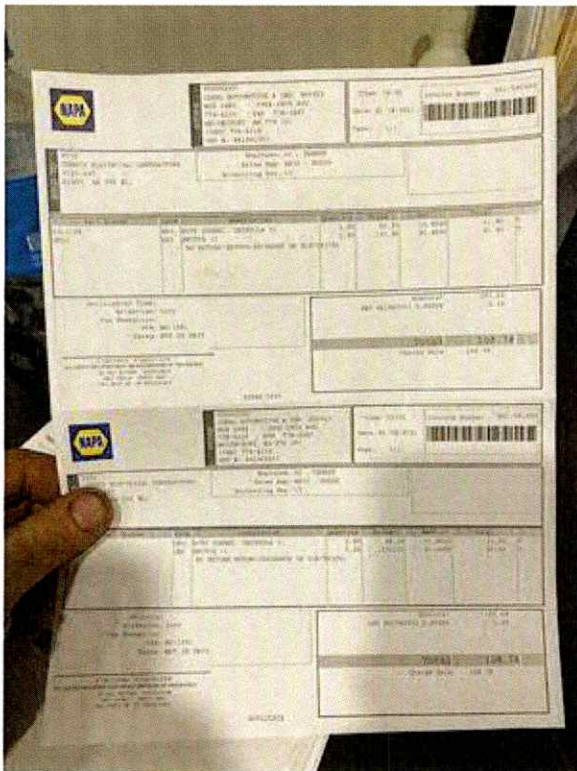
Work Order	#136
Status	Done
Priority	None
Description	13185hrs - drive to site - attempt diag on circle drive - need hyd fitting to 't' into system to test pressure - complaint of main wing pin working out - found wing seized to pin and pulling it out - beat pin back into place and rotate to line up keeper bolt holes - block wing and use hydraulics to break pivot free - worked back and forth multiple times and greased multiple times - once it goes back to work it will wear into place - drive to site and determined clutch packs were slipping inside gear drive - remove shims and test clutch packs as per manual - when testing circle drive the pinion end of the shaft broke off - need new shaft and related parts for repair - tire guys could not start unit to change tires - drive to site and no power to cab with master on - test batteries - good - found bad master switch - jumped battery to frame with booster cables for tire change over - need new parts and will change when I go back to repair circle drive - drive to site - repair circle drive - replace master switch - swap bit boards from mg-1823
Assignees	• Cory Hunt
Location	n/a
Asset	n/a

Time	Cory Hunt (Work) 1d 14h 00m 00s x \$43.00 Total Duration 1d 14h 00m 00s Time Cost \$1,634.00
Other Costs	- Cory Hunt (Other: Circle drive shaft, seals, arm rest cush... \$3,001.16 - Cory Hunt (Other: Supplies) \$112.98 - Cory Hunt (Other: Hyd fittings) \$21.96 - Cory Hunt (Other: Master switch and elec. connectors) \$108.78 Other Costs Total \$3,244.88
Created By	Cory Hunt
Created On	01/15/2021, 11:33 AM
Completed On	01/22/2021, 4:50 PM
Updated On	01/22/2021, 4:50 PM

No files were attached on this Work Order.

Comments (4 comments)

Cory Hunt - 01/18/2021, 5:17:44 PM



Cory Hunt - 01/18/2021, 5:18:42 PM

01/18/2021, 05:17:19 PM Cory Hunt logged a "Other" cost of \$108.78.
01/18/2021, 05:18:27 PM Cory Hunt logged a "Other" cost of \$21.96.
01/19/2021, 10:26:29 AM Cory Hunt logged a "Other" cost of \$112.98.
01/22/2021, 04:23:54 PM Cory Hunt logged a "Other" cost of \$3,001.16.
01/22/2021, 04:25:41 PM Cory Hunt changed the description.
01/22/2021, 04:27:56 PM Cory Hunt logged 1d 14h 00m 00s of Work time.
01/22/2021, 04:27:59 PM Cory Hunt completed the work order.
01/22/2021, 04:50:10 PM Cory Hunt reopened the work order.
01/22/2021, 04:50:35 PM Cory Hunt completed the work order.

Signed off by

Date

WRENCHHEAD MECHANICAL

3135 4 ST

NISKU, ALBERTA. T9E-8L1

Phone: 780-436-9570 Fax: 780- -

INVOICE**34013**

Org. Est. # 050760

INVOICE

Date: 01/19/2021

CHEMCO-OFF ROAD

3135-4 ST

NISKU, ALBERTA T9E-8L1

Office 780-436-9570

2015 CAT - 160M GRADER UNIT#MG-1081 - C9 SER#TXD089

Lic # :

Odometer In : 0

Unit # : MG-1081

VIN # : CAT0160MT B9E01081

Part Description / Number	Qty	Sale	Ext	Labor Description	Ext
ENGINE OIL-STK 15W40	40.00	3.56	142.40	(1) INSPECTION ** NO TECH SHEET TURNED IN **	n/c
4" LED WORK LIGHT-STK X0024E62F3	6.00	7.09	42.54		

Org. Estimate 194.19 Revisions 0.00 Current Estimate 194.19

Labor:	0.00
Parts:	184.94
SubTotal:	184.94
Tax:	9.25
Total:	194.19
Bal Due:	\$194.19

[Payments -]

Vehicle Received: 1/19/2021

GST#865376503RT0001

Signature _____

Date _____

Customer Number : 3904

WRENCHHEAD MECHANICAL

3135 4 ST
NISKU, ALBERTA. T9E-8L1
Phone: 780-436-9570 Fax: 780- -

REPAIR ORDER #

034013

Org. Est. # 050760

REPAIR ORDER - RO

Scheduled : 11/05/2020 10:52 AM

Print Date : 11/5/2020

CHEMCO-OFF ROAD

3135-4 ST
NISKU, ALBERTA T9E-8L1
Office 780-436-9570
Cust ID : 3904
Last Service : No History

2015 CAT - 160M GRADER UNIT#MG-1081 - C9 SER#TXI
Lic # : - ALBERTA
Unit # : MG-1081
VIN # : CAT0160MT **B9E01081**
MFG Date : 11/5/2020
Current Odom : 0
Elapsed : 0

Labor Requested / Part SubTotal**Extended**

(1) INSPECTOIN

260.00

Shop Supplies

Parts Subtotal 0.00

13.00

NO TECH SHEET

Parts: 0.00
Labor: 260.00

Supplies: 13.00**Tax: 13.65**

Total: 286.65
Balance: 286.65

TEARDOWN ESTIMATE: I understand that my vehicle will be reassembled within ___ days of the date shown above if I choose not to authorize the service recommended. All Parts removed will be discarded unless instructed otherwise: Save all Parts ___. NOT RESPONSIBLE FOR LOSS OR DAMAGE TO MY VEHICLE OR ARTICLES LEFT IN VEHICLES IN CASE OF FIRE, THEFT OR ANY OTHER CAUSE. ALL VEHICLES LEFT MUST HAVE OWN INSURANCE. ANY VEHICLES LEFT OVER 30 DAYS WITHOUT CONSENT WILL BE PROPERTY OF WRENCHHEAD MECHANICAL.

Authorized By _____ Date _____ Time _____

Service Advisor : GLAZIER, RUSSELL

Technician Work Sheet Service Writer : GLAZIER, RUSSELL

Print Date: 11/05/2020

2015 CAT - 160M GRADER UNIT#MG-1081

Hat # :

VIN # : CAT0160MT B9E01081

Color : YELLOW

Engine : C9 SER#TXD08918

Location :

Repair Order #

034013

Lic # :

Lic. State : ALBERTA

CHEMCO-OFF ROAD

Office 780-436-9570

Schedule : 11/05/20 11:00 A.M.

Promised Date : 11/05/20 5:00 P.M.

Inspection Date : 11/05/20

Status :

Last Service :

Unit # : MG-1081

Current Odometer : 0

Trans :

Previous Mileage : 0

Brakes :

Elapsed Mileage : 0

Manufacture Date : 11/05/20

Labor Description

Charged Hours

☐ (1) INSPECTOIN

4.00

Technician : <none>

OUT ODOMETER :

Total Hours Charged :

4.00

Hours out: 0.00

Tech Notes

[illegible]

FINNING

FINNING CANADA LTD. - Fluid Analysis Laboratory, 10910-170th Street, Edmonton, AB, T5S 1H6, CANADA

PHONE: 1-888 FINNING (346-6464)

Email: digitalservices@finning.com Web: www.finning.com

CONTACT INFORMATION

RYAN CHAPPELL
CHEMCO
3135 - 4TH STREET
NISKU, AB
T9E 8L1
PHONE: 780 4369570
FAX:
Email: RCHAPPELL@CHEMCO.COM

EQUIPMENT

EQUIP NUM: MG1081
SERIAL NUMBER: B9E01081
MODEL : 160M
MANUFACTURER : CAT
COMPANY NAME : CHEMCO ELECTRICAL CONTRACTORS LTD
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE
COMP SERIAL NUM: TXD08918
COMPARTMENT MODEL : C9_CAT
LABEL#:
SHOP JOB NUM : 034013
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 10
SAMPLE LOCATION :

Interp By: Gregory Scribner

**Action
Required**

EXCESSIVE FUEL DILUTION (22.21%) DETECTED. VISCOSITY AND ADDITIVE PACKAGE APPEAR DEPLETED. ELEVATED SILICON CONTENT.
OTHER READINGS APPEAR NORMAL. CHANGE OIL. LOCATE AND REPAIR SOURCE OF FUEL DILUTION. RESAMPLE TO VERIFY REPAIRS.

LAB #

N030-50332-0034

PROCESS 27-Nov-20
DATE

WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Na	K	Si	Al	Fe	Cr	Pb	Cu	Sn	Ni	Ag	Ti	V	Zn	Ca	Mg	Ba	B	Mo	P
17-Nov-20	N030-50332-0034	0	0	U	U	2	3	7	1	2	0	0	0	0	0	0	0	0	608	969	569	0	67	1	530
08-Sep-20	N030-50255-0151	13078	435	Y	Y	1	1	3	1	4	0	1	0	0	0	0	0	0	404	635	375	0	44	0	370
18-Aug-20	N030-50234-0675	12643	200	Y	Y	2	2	4	2	6	0	0	0	0	0	0	0	0	425	678	371	0	34	6	356
03-Aug-18	N030-48221-0541	8000	250	Y		10	0	3	2	8	0	0	6	0	0	0	0	0	930	1587	462	0	51	39	748

OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	V40	VI	ST	OXI	SUL	NIT	A	F	PFc
17-Nov-20	N030-50332-0034	0	0	CHEVRON		15W-40	U	U	7.2	37.2	161	0	17	19	7	N	P	22.21
08-Sep-20	N030-50255-0151	13078	435	CHEVRON		15W-40	Y	Y	3.8	15.0	151	1	32	25	8	N	P	42.14
18-Aug-20	N030-50234-0675	12643	200	CHEVRON		15W-40	Y	Y	3.9	15.7	149	3	29	24	8	N	P	38.77
03-Aug-18	N030-48221-0541	8000	250	ESSO	UNKNOWN	15W-40	Y		12.3	90.5	130	7	22	24	7	N	N	0.51

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	W
17-Nov-20	N030-50332-0034	U	U	N
08-Sep-20	N030-50255-0151	Y	Y	N
18-Aug-20	N030-50234-0675	Y	Y	N
03-Aug-18	N030-48221-0541	Y		N

A = Antifreeze, Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cr = Chromium, Cu = Copper, F = Fuel, Fe = Iron, K = Potassium, Mg = Magnesium, Mo = Molybdenum, NIT = Nitration, Na = Sodium, Ni = Nickel, OXI = Oxidation, P = Phosphorus, PFc = Percent Fuel Content, ST = Soot, SUL = Sulfation, Si = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, V100 = Viscosity@100C, V40 = Viscosity@40C, VI = Viscosity Index, W = Water, Zn = Zinc

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.



780-865-5039

<http://www.lynxcreek.ca/>**WORK
ORDER***Replace Steering Actuator/
Injector***WO # 308 - 6340 - 6**

Thank you for your order!

SOLD TO: 308 160M Grader W/ Wing/Ripper/Dozer **SHIP TO:** 308 160M Grader W/ Wing/Ripper/Dozer301 Kelly Road
Hinton, AB T7V1H2301 Kelly Road
Hinton, AB T7V1H2
Phone: 780-865-5039

UNIT NUMBER		DATE PLACED		INTERNAL JOB		
308		8/14/2020		573		
QUANTITY	ITEM NUMBER	DESCRIPTION	ACCOUNT (LOT 1)	INVOICE (LOT 2)	UNIT PRICE	EXT. PRICE
1	20R8064	INJECTOR REMAN	5669		\$1,054.08	\$1,054.08
2	2359651	BOLT	5669		\$1.47	\$2.94

SUBTOTAL	SALES TAX	SHIPPING/HANDLING	TOTAL
\$1,057.02	\$0.00	\$0.00	\$1,057.02

Mileage / Hours	12643
Mechanics	TYLER
Complaint / Repair Requested	CHANGE INJECTOR AND STEERING VALVE ACTUATOR.

Completed Work Description	Tyler space remove and replace #4 fuel injector and hold down bolts. Re install valve cover prime fuel systems set injector trim file. Replace missing diff lock relay. Look into steering codes. 4 hours. August 14th 2020
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Unit # 308	Date In August 14	KMS	HRS 12.643	Date WO Completed
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Complaint / Repair Requested

Injector & steering valve actuator need to be changed out

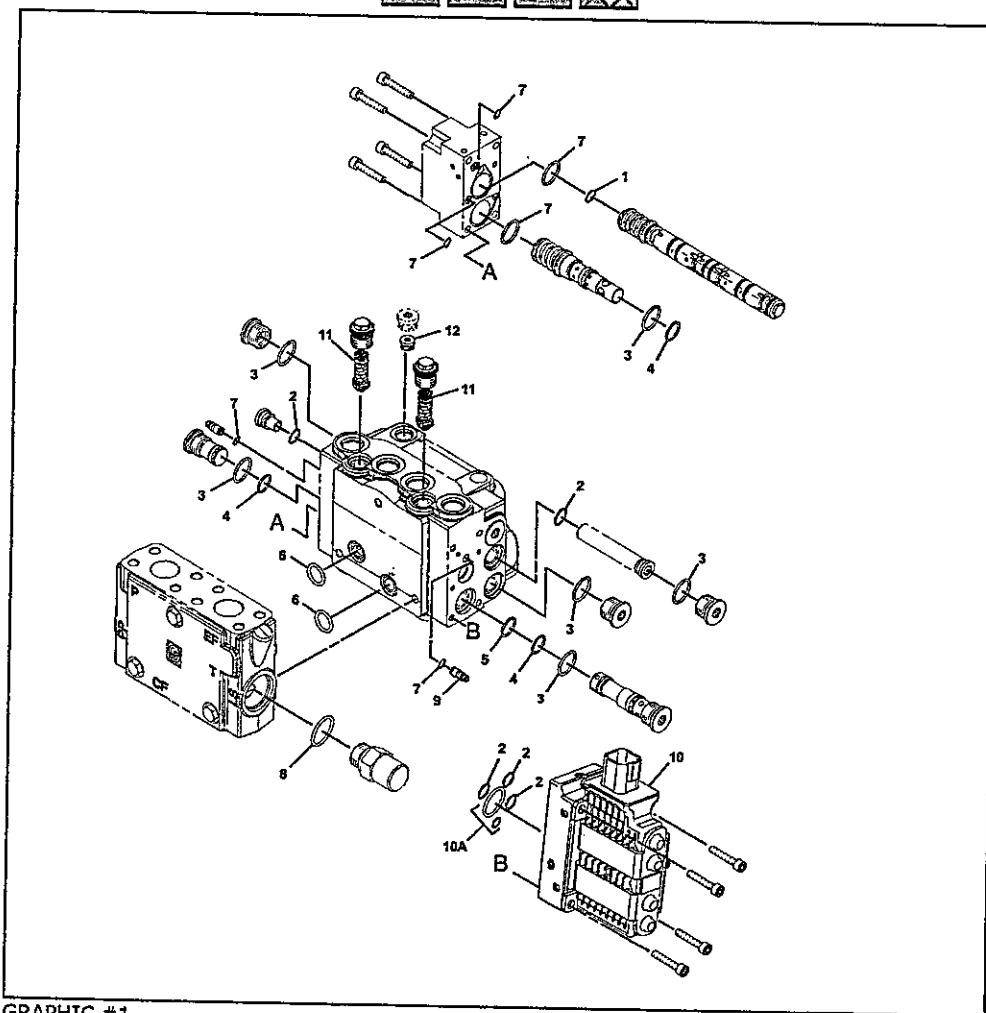
MR Radley
ENT. LTD
Embered

Parts Used

Part ID	Quantity	Part Description	In Stock	Ordered	Supplier
- 2028064	1	Injector	X		Furning
- 2359651	2	Injector bolts	X		

Employee	Work Completed Description	Labour Time per Job	Date Job Completed
<i>Tyler</i>	- Remove And Replace #4 Fuel Injector and Hold Down bolts, Reinstall Valve cover, Prime Fuel System, Set Injector TRIM File	2	
	- Replace missing D.F. Lock Rekey	1	
	- Look Into Steering Codes	1	
Total Labour			

< Product: MOTOR GRADER
 Model: 160M MOTOR GRADER B9E01081
 Configuration: 160M Motor Grader B9E00001-UP (MACHINE) POWERED BY C9 Engine
 Change Customer Info: Please Select Customer Information



GRAPHIC #1
 g06439603

160M Motor Grader, Powered By C9 Engine
 Media Number - SEBP4404-86 | Publication Date - 01/07/2020 | Date
 Updated - 30/07/2020

355-4097 VALVE GP-BANK 1
 S/N B9E1-UP
 PART OF 305-2924 LINES GP-STEERING
 AN ATTACHMENT

107820814

ENTIRE GROUP

Ref.	Qty.	NPR Note	Part No.	Part Name
Grp		<u>NPR</u>	355-4097	VALVE GP-BANK 1

INDIVIDUAL PARTS

Ref.	Qty.	NPR Note	Part No.	Req. Qty.	Part Name
1	1	<u>NPR</u>	192-7507	1	SEAL-O-RING (CCR Part)
2	2	<u>NPR</u>	9T-4057	2	SEAL-O-RING (CCR Part)
3	8	<u>NPR</u>	8T-7877	8	SEAL-O-RING (CCR Part)
4	3	<u>NPR</u>	192-7510	3	SEAL-O-RING (CCR Part)
5	1	<u>NPR</u>	5L-4758	1	SEAL-O-RING (CCR Part)
6	2	<u>NPR</u>	192-7508	2	SEAL-O-RING (CCR Part)
7	1	<u>NPR</u>	301-5165	1	KIT-SEAL (BANK VALVE) (CCR Part) (INCLUDES O-RINGS)
8	1	<u>NPR</u>	301-5166	1	KIT-SEAL (BANK VALVE) (CCR Part) (INCLUDES O-RINGS)
9		<u>NPR</u>	376-1610	1	KIT-SHUTTLE VALVE (INCLUDES 2 SHUTTLE VALVES)
10	1	<u>NPR</u>	559-3552	1	VALVE GP-ACTUATOR (STEERING SIGNAL) (CCR Part)
10A	1	<u>NPR</u>	301-5167	1	KIT-SEAL (BANK VALVE) (CCR Part) (INCLUDES FILTER & O-RINGS)
		<u>NPR M</u>	1R-5396	4	BOLT (M6X1X35-MM)
	3	<u>NPR</u>	9T-4057	3	SEAL-O-RING (CCR Part)
11	2	<u>NPR</u>	301-4483	2	VALVE GP-RELIEF (STEERING PRESSURE) (CCR Part)
12		<u>NPR</u>	374-3604	1	ORIFICE

PARTS SHOWN IN GRAPHIC
(S) WITHOUT A REFERENCE
NUMBER ARE NOT SERVICED
SEPARATELY

Key:

M - METRIC PART

SMCS Codes		
5051		

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Fri Aug 14 2020 09:48:54 GMT-0700 (Pacific Daylight Time)

BERENDSEN FLUID POWER, LTD.
9815 12 AVENUE SW
EDMONTON, AB T6X 0E3
TEL 780-465-7536
FAX 780-469-2376
QUOTATION NO. 07171278

TO: M RADLEY ENTERPRISE LTD

EDMONTON AB CANADA T5A0A1

ATTN: NICKI

Customer Acct 02162550

DATE 8/14/2020
YOUR INQUIRY M RADLEY ENTERPRISE LTD
INQUIRY DATE 8/14/2020
DELIVERY
SHIP VIA TBA
TERMS CASH ON DELIVER
F.O.B. FACTORY
QUOTE EXPIRATION DATE 9/13/2020

ITEM	QTY.	DESCRIPTION	UNIT PRICE	UOM
1	1	11166752 PVES-SP 11V-32V PASSIVE	862.10	EA
		STANDARD FACTORY LEAD 6 WEEKS		
		*		
2	1	11166752 PVES-SP 11V-32V PASSIVE	1034.52	EA
		EXPEDITE LEAD 1 WEEK		

		NOTE:		
		11166752 REPLACES 11108994		
TAX:			94.84	
TOTAL IN CANADA\$:			1991.46	

Please refer to above quote number for ordering.

Thank you for the opportunity of quoting on your above requirements.
We hope we may continue to receive your valued inquiries.
Material Surcharges may be added based on the actual rates at the
time of shipment. Unless provided with an acceptable exemption,
sales taxes will be charged at the customer's ship to destination rates.

ATTACHED TERMS AND CONDITIONS
OF SALE ARE CONSIDERED AN
INTEGRAL PART OF THIS QUOTE.

BY: Kate Mcleod

APPROVED: Mike Kelley

Berendsen Fluid Power, LTD.
Standard Terms and Conditions

1. Unless other terms and conditions are expressly accepted by Berendsen Fluid Power LTD. (hereinafter called the "Company") by means of a written amendment to these Terms and Conditions signed by a Director of the Company, or the Company Secretary, and referring specifically to the terms or conditions to be amended, the contract shall be on the terms and conditions set out below (hereinafter together called "the Contract Terms") to the exclusion of any other terms and conditions whether or not the same are endorsed upon, delivered with, or referred to in any purchase order or other document delivered by the Purchaser to the Company.
 2. (a) If during the Warranty Period (defined below) any part manufactured by the Company or any of the Company's interconnected bodies corporate is found upon inspection by the Company to have proved defective in material or workmanship under normal use and service and when properly installed and connected, the Company will free of cost repair or if the company so wish replace such part provided the Company is informed of the defect as soon as possible after discovery thereof and should the Company so require the part is returned carriage paid. Any cost or expense incurred by any persons removing or refitting the part shall be borne by the Purchaser. If the manufacturer of any good sold by the Company (such goods being the subject matter of this contract) shall have sold such goods on terms which contain any warranty or condition more favourable to the Purchaser than those contained therein, then the Company will so far as it reasonably can, when selling those goods to the Purchaser, transfer or make over to the Purchaser the benefit of such more favourable warranty or condition in respect of those goods.
The Company will not however be liable to repair or replace any part if any identification or serial number thereon has been altered, defaced, or removed or if the part has not been properly maintained before and during use in accordance with the Company's recommended maintenance procedure or has been subjected to any misuse, unauthorized repair, replacement, modification or alteration. Unless otherwise stated, the Warranty Period applicable to any part shall be 90 Days from the date of its delivery to the initial purchaser. Repair or replacement shall not start time running anew so that the period shall be calculated from the delivery of the part that was first required to be repaired or replaced.
 - (b) Where the Company recommends the use of particular fluids, materials or other accessories with the Company's equipment the warranty set out above shall not apply to any Company part with which other fluids, materials and accessories have been used, but no such recommendation shall make the Company in any way liable for any defect in such fluids, materials or accessories.
 - (c) Save as aforesaid the Company will in no circumstances be liable for any loss or damage of any kind whatsoever including but not limited to the Purchaser's manufacturing costs, lost profits, goodwill or any other special or consequential damage caused directly or indirectly by any defect in material or workmanship or any defect in the goods or services supplied or by any negligence of the Company or of any servant or agent of the Company and all warranties and conditions express or implied statutory or otherwise are hereby expressly excluded.
 - (d) The Purchaser undertakes that he will not at any time for use against the Company seek to rely on any term, condition, warranty or representation other than the Contract Terms.
 - (e) Persons dealing in the Company's goods have no right or authority to bind the Company in any way or to assume on the Company's behalf any obligation express or implied.
3. The Company, but its Fluid Power Division, carries on business as an assembler or supplier of Hydraulic & Pneumatic products. If the Purchaser cancels or purports to cancel the order of any part thereof or fails to take delivery of any goods at the time agreed (if any) then the Purchaser shall be liable (without prejudice to any other rights of the Company) to indemnify

- cancellation of failure to take delivery, including the payment of license or other fees, the cost of any material plant or tools used or intended to be used for the said order, the cost of labour and other overheads and redundancy payments primarily attributed to such purported cancellation.
4. Unless otherwise stated, the price based upon costs ruling at the date of the quotation and is subject to fair adjustment by the Company to take into account any alteration in such costs prior to delivery of the goods or (in the case of delivery by instalments) prior to final delivery.
5. (a) The Company will endeavour to complete the contract or deliver the goods within the time agreed (if any) but it shall not be liable for any loss or damage of any kind whatsoever caused directly or indirectly by any delay in the completion of the contract or delivery of the goods if by reason of force majeure or of any labour dispute the completion of the contract or the delivery of the goods is in the Company's opinion rendered unpracticable the Company shall be at liberty to terminate the contract by sending by ordinary post to or by delivering to the Purchaser a notice in writing to that effect.
- Thereupon the Purchaser will pay to the Company such a sum as will together with any other sums paid previously bear the same proportion to the contract price (including any variation thereof) as the goods or services actually provided bear to the goods or services contracted for.
- (b) The Company reserves the right to make delivery in instalments unless expressly stipulated otherwise herein. All such instalments shall be separately invoiced and paid for when due without regard to subsequent deliveries. Delay in delivery of any instalment shall not relieve the Purchaser of the Purchaser's obligation to accept remaining deliveries.
6. (a) All orders unless agreed otherwise shall be delivered ex. the Company's or Supplier's warehouse.
- The Company reserves the right to make a charge for storage and administration costs incurred against goods held for more than a reasonable period awaiting delivery instructions
- (b) Unless specifically agreed in writing there shall be no refund or any charge made for packing except in the case of non-expendable pallets or containers which are charged for and for which credit will be given if returned in good condition carriage paid.
- (c) No claim for damages or shortages will be considered unless the Company and the carrier are advised in writing within twenty-eight days of delivery and no claim for non-delivery will be considered unless the Company is notified in writing within twenty-eight days of reasonable delivery time taking into account date of despatch.
7. If the contract provides for the quantities of goods to be delivered to be specified by the Purchaser by schedule from time to time then any schedule relating to the Contract and delivered by the Purchaser shall be subject to acceptance by the Company, if it is so accepted any requirements stated in such schedule to be "firm" shall thereafter be deemed to form part of the Contract and may only be cancelled subject to the terms of condition 3.
8. (a) The purchaser undertakes with the company:
- (i) That he will acquaint himself with the requirements of all relevant Governments or statutory or other authorities, bodies or corporations relating to the goods and to the applications to which the goods are put.
- (ii) That at all times whilst the goods are in his possession or under his control he will comply with such requirements.
- (iii) That he will procure that any purchase of the goods from him will also so acquaint itself with and will comply with such requirements.
- (iv) That he will indemnify the Company against any liability resulting from a breach of any such requirement.
- (b) The Purchaser undertakes that he will comply with the Company's instructions relating to the goods.
9. No right or licence is granted to the Purchaser under any patent, copyright, registered design or other industrial property right except the right to use or to resell the goods.
10. All payments are to be made on or before the due date as a condition precedent to future deliveries under this or any other contract. The Company reserves the right to interest payment on overdue accounts.

- (b) The Company shall not be liable for any risk to the goods after these have been delivered.
- (c) The time for payment shall be of the essence of the contract.
12. If the goods are manufactured to the design or specification of the Purchaser, the purchaser agrees to indemnify and hold harmless the Company against all losses, costs, charges, expenses and damages which the Company might suffer as a result of any claim or allegation.
- (a) that the goods infringe the patents, copyright, registered design or other like protection of any other person, or
- (b) that the goods do not comply with a statute, statutory instruments or regulation for the time being in force.
13. The Company shall be entitled to assign, sub-contract or sub-let this contract or any part thereof.
14. Variation by the Company within the specification of goods shall not constitute a breach of contract or impose upon the Company any liability whatsoever.
15. (a) Failure by the Company to enforce any of the Contract Terms shall not be construed as a waiver of any of the Company's rights hereunder.
- (b) This contract shall be construed and operate in accordance with the Laws of Ontario and Canada and the Purchaser hereby submits himself to the jurisdiction of the courts of Ontario.
16. The Purchaser agrees and undertakes to indemnify the Company for any breach of the obligations under the Terms and conditions of Sale including all reasonable legal expenses incurred.
17. (a) Nothing in this contract other than the following subclauses shall exclude or restrict any liability to which the Company may be subject by reason of any misrepresentation made by it before this contract was made or any remedy available to the Purchaser by reason of such misrepresentation.
- (b) The Company shall not incur any liability nor shall any right accrue to the Purchaser by reason of any misrepresentation arising from:
- (i) Printing and clerical errors.
- (ii) Statements in oral, written or any other form by third parties accepted by the Company in good faith and repeated by it.
- (iii) Oral statements not confirmed by the Company in writing.

LYNX CREEK*Definite Solutions*

780-865-5039

<http://www.lynxcreek.ca/>**WORK
ORDER****WO # 308 - 8383**

Thank you for your order!

SOLD308 160M Grader W/
TO: Wing/Ripper/Dozer301 Kelly Road
Hinton, AB T7V1H2**SHIP**308 160M Grader W/
TO: Wing/Ripper/Dozer
301 Kelly Road
Hinton, AB T7V1H2
Phone: 780-865-5039

UNIT NUMBER		DATE PLACED		INTERNAL JOB		
308		8/25/2020		627		
QUANTITY	ITEM NUMBER	DESCRIPTION	ACCOUNT (LOT 1)	INVOICE (LOT 2)	UNIT PRICE	EXT. PRICE
1	1259740	HVAC Resistor			\$97.82	\$97.82
1	3261008	FUEL TRANSFER PUMP KIT 3261008	308	0045070715	\$184.17	\$184.17
1	2275904	TRANSFER PUMP ORING 2275904	308	0045070715	\$37.83	\$37.83
12	2359651	BOLT	5669		\$1.47	\$17.64
6	1495240	BACKUP RING 1495240	308	0045070715	\$11.50	\$69.00
6	2930730	BACKUP RING 2930730	308	0045070715	\$11.16	\$66.96
6	1093207	Injector O-RING			\$13.38	\$80.28
12	1482903	Injector Re-seal O-ring			\$16.29	\$195.48

SUBTOTAL	SALES TAX	SHIPPING/HANDLING	TOTAL
\$749.18	\$0.00	\$0.00	\$651.36

Mileage / Hours	168333 km / 12643 h
Mechanics	TYLER
Complaint / Repair Requested	Reseal injectors. Replace fuel pump.

Completed Work Description	Tyler - Replace injector seals. - 6hrs. - Sept 12. 2020 Replace transfer pump. - 3hrs - Sept. 13. 2020
----------------------------	---

Complaint / Repair Requested

~~Fast speed resistor broken~~
~~Change out.~~
- Rebuild injectors

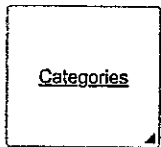
Radley
ENT. LTD

Parts Used

[illegible]

TOTAL			
Employee	Work Completed Description	Labour Time per Job	Date Job Completed
Tyler	- Replace all 6 In Sector Seals	6	Sept 12
	- Replace Transfer Pump	3	Sept 13
Total Labour			

White - Office Yellow - Shop



Categories

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Parts Manuals

Part Type

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Center

QUICK
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SIS

Parts
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Categories

Add Location

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or
register



Cat
Sites

Enter part keyword(s) here.

* Required fields
Equipment *

B9E01081

SEARCH

SIS™ SERVICE INFORMATION SYSTEM

For more advanced parts manuals search
capabilities, try using Service Information
Systems (SIS).

VISIT SIS

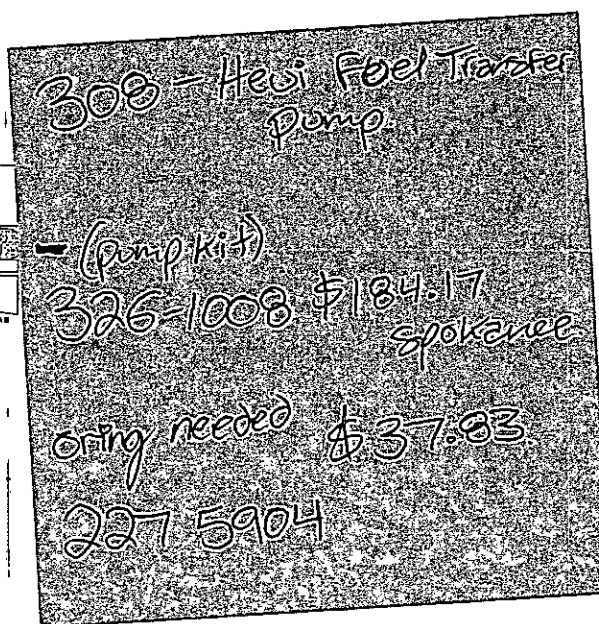
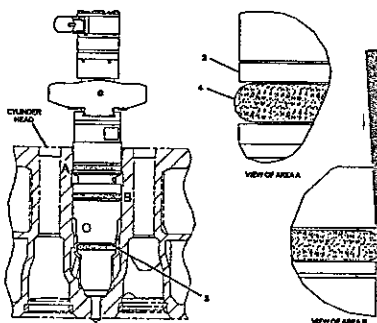
Results for: B9E01081



160M Motor Grader, Powered By C9 Engine

Media Number - SEBP4404-86 | Publication Date - 07/01/2020 | Date Updated - 07/30/2020

293-4072 INJECTOR GP-FUEL



Entire Group

Ref.

Note

Part No.

293-4072

Individual Parts

Ref.	Note	Part No.	Part Name	Price	Req. Qty.	Qty
1		149-5240	RING-BACKUP	View Details	CHECK PRICE	1
2		293-0730	RING-BACKUP	View Details	CHECK PRICE	1
3		109-3207	SEAL-O-RING	View Details	CHECK PRICE	1
4		148-2903	SEAL-O-RING	View Details	CHECK PRICE	2

Key:



PARTS QUOTATION

Page: 1 (4)

Finning (Canada), a division of Finning International Inc.
10910 - 170 STREET
EDMONTON, AB T5S 1H6
(780) 483-1122
(780) 443-7995 FAX

Date 09/09/20
Quotation Number 0094883625
Quotation Total \$797.27
Payment Terms NET 30 DAYS
Valid To 09/10/20
Currency CANADIAN DOLLAR
Customer Tax Exemption No.

Sales Person FINNING CANADA

CUSTOMER NUMBER CA-0007382
M RADLEY ENTERPRISES LTD
HINTON *CODE REQ*
C/O HINTON SMART DROP BOX
HINTON AB T7V 1Z8
201 FELABER ROAD

Purchasing Agent 2T RYAN LAIRD CA6820
Customer Contact NIKI 403-597-2846
Customer's PO Number B9E01081

Make CAT Unit No B9E01081
Model 160M Year 2015
Serial Number B9E01081

CUSTOMER
SERVICE
Commencement

Legal Land Description (LLD)

Line No.	Sub Line	Qty	Item No.	Description	U/M	Sales Price	Extended Amount	RET ₁
①		12	2359651	BOLT-SOCKET	PC	9.84	118.08	R
Spare parts sale info				Product 160M	Serial no B9E01081			
②		6	1495240	RING-BACKUP	PC	11.50	69.00	N
Spare parts sale info				Product 160M	Serial no B9E01081			
③		6	2930730	RING-BACKUP	PC	11.16	66.96	N
Spare parts sale info				Product 160M	Serial no B9E01081			
④		6	1093207	SEAL O RING	PC	13.75	82.50	N
Spare parts sale info				Product 160M	Serial no B9E01081			
⑤		12	1482903	SEAL-O-RING	PC	16.73	200.76	N
Spare parts sale info				Product 160M	Serial no B9E01081			
⑥		1	3261008	KIT-PUMP	PC	184.17	184.17	R
Spare parts sale info				Product 160M	Serial no B9E01081			
⑦		1	2275904	SEAL-O RING	PC	37.83	37.83	N
Spare parts sale info				Product 160M	Serial no B9E01081			

GST/HST Registration Number: 101801561 RT0001

This quote is subject to and incorporates by reference the Finning Terms and Conditions which are attached to this quote and/or delivery note and govern this transaction between Finning and Customer to the exclusion of all other contractual terms and conditions. In the event of a conflict between the aforementioned Terms and Conditions, the invoice, the order confirmation or any other documentation associated with this transaction, the Terms and Conditions shall prevail.

1. Returnable Indicator: R for Returnable, N for Non-returnable

1-888-finning • www.finning.com



PARTS QUOTATION

Page: 2 (4)

Finning (Canada), a division of Finning International Inc.
10910 - 170 STREET
EDMONTON, AB T5S 1H6
(780) 483-1122
(780) 443-7995 FAX

Date 09/09/20
Quotation Number 0094883625
Quotation Total \$797.27
Payment Terms NET 30 DAYS
Valid To 09/10/20

Sales Person FINNING CANADA

CUSTOMER NUMBER CA-0007382

Line No.	Sub Line	Qty	Item No.	Description	U/M	Sales Price	Extended Amount	RET1
----------	----------	-----	----------	-------------	-----	-------------	-----------------	------

Sub-Total 759.30
GST 37.97
Order Total \$797.27

Shipping costs and service charges, if applicable, are calculated at the time of order confirmation.

Finning (Canada) a division of Finning International Inc.

CUSTOMER M RADLEY ENTERPRISES LTD

Per: _____ (sign)

Per: _____ (sign)

Name: _____ (print)

Name: _____ (print)

Title: _____

Title: _____

Date: _____

Date: _____

GST/HST Registration Number: 101801561 RT0001

This quote is subject to and incorporates by reference the Finning Terms and Conditions which are attached to this quote and/or delivery note and govern this transaction between Finning and Customer to the exclusion of all other contractual terms and conditions. In the event of a conflict between the aforementioned Terms and Conditions, the invoice, the order confirmation or any other documentation associated with this transaction, the Terms and Conditions shall prevail.

1. Returnable Indicator: R for Returnable, N for Non-returnable

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346 - 6464



PARTS QUOTATION

TERMS AND CONDITIONS

Finning (Canada), a division of Finning International Inc.

Date 09/09/20

Page: 3 (4)

Quotation Number 0094883625

Quotation Total \$797.27

1. ENTIRE AGREEMENT

The Customer acknowledges and agrees that these terms and conditions together with the particulars on the face hereof and the warranty set out below constitute the entire agreement between the parties and that there are no representations, warranties, terms or conditions other than as stated herein. No agreement collateral hereto shall have any effect unless in writing and signed by an authorized officer on behalf of Finning. This Order may not be modified except by instrument in writing executed by appropriate officers of Finning and the Purchaser. If the Purchaser shall issue a purchase order or other document in respect of its obligations to pay any sum set forth herein, the terms and conditions of that purchase order or other document shall not supersede, be or be deemed to be an amendment to or variation of the terms and conditions set forth herein notwithstanding that such purchase order or other document or an acknowledgement copy thereof is executed on behalf of Finning to facilitate payment of its charges hereunder, to the intent that in the event of any conflict or inconsistency whatsoever between the terms and conditions of that purchase order or other document, the terms and conditions of this Order and the terms and conditions of this Order shall govern, regardless of which document was first executed.

2. PAYMENT In the absence of special arrangements for credit being agreed to in writing by Finning and the Customer in advance or specified on the face hereof, terms of payment shall be net cash by the 15th day of the month following the statement date regardless of the time of payment of any insurance or other claim which the Customer may have or expect to have. If the Customer fails to comply with any terms requested or imposed by Finning as a condition to the granting of credit, the full balance owing under this Agreement (including accrued interest thereon) shall be payable by the Customer forthwith on demand by Finning.

3. OVERDUE AMOUNTS

A service charge of 18% per annum, calculated and payable monthly, will be charged by Finning on all overdue amounts calculated from the payment due date until payment has been received by Finning in full. Finning shall have the right to change the interest rate set out above immediately upon written notice to the Customer.

4. RE-USE OF PARTS

Parts comprising components or equipment repaired hereunder will be inspected by Finning and measured against parts re-usability standards and guidelines developed by the equipment or component manufacturer or by Finning. If such parts meet or exceed such standards and guidelines in Finning's sole discretion, such parts will be repaired or replaced as Finning may elect, at Finning's regular billing rates and prices therefor. In the event Finning elects to replace such parts, Finning shall replace such parts with either new parts or exchange parts, if available, whichever the Customer elects, or failing such election as determined by Finning.

All parts replaced during the course of work will be provided to the Customer for inspection upon completion of the work. The Customer shall have the right for a period of 30 days after completion of the work to request that Finning re-inspect and re-measure any of such parts provided that it can be identified to Finning's satisfaction to be a part replaced by Finning during performance of the work. If, upon re-inspection and re-measurement such part is found to meet or exceed the above mentioned re-usability standards and guidelines, Finning will credit the Customer's account for the amount charged to the Customer for the new part or exchange part installed in the component or equipment in place of such part.

5. DELAYS

Finning will endeavour to perform the work within the time requested by the Customer however, except as specifically provided in the On Time Job Completion Guarantee set forth herein, Finning shall under no circumstances incur any liability whatsoever for loss of profits, income, or use of parts, components or equipment whether or not caused or contributed to by delay or failure to repair or return parts, components, or equipment by the requested completion date whether or not such delay or failure is due to causes within the control of Finning and whether or not those causes were in existence or known to Finning as of the date hereof.

6. LIMITATION OF FINNING'S LIABILITY

Finning, its employees, agents and contractors shall not under any circumstances be liable for personal injuries (including death) to any person (including the Customer) or for any loss or damage to property or business either direct, indirect or consequential whether to parts, components or equipment or to any other property, caused or contributed to by the work performed hereunder or by the delivery, operation or possession of parts, components or the equipment whether or not caused or contributed to by the negligence or default of Finning. The limitation of Finning's liability contained in this paragraph 6 shall survive the expiration of this Agreement.

7. LIEN IN FINNING'S FAVOUR

Finning shall be entitled to a lien against the equipment for the value of the work performed and Finning shall, in addition to any rights available to it at law or in equity, or whether under the Repairer's Lien Act of British Columbia or any other Repairer's or Mechanic's lien legislation, have the right to repossess and sell the equipment by private or public sale or auction on such terms, in such manner and for such price as Finning may consider prudent, and to recover the costs (including costs on a solicitor and his own client basis) of repossession and / or sale in addition to any amounts owing for the work performed. Finning shall not be required to give notice of its intention to sell the equipment.

8. GOVERNING LAW

This agreement shall be governed by and construed in accordance with the laws of the Province or Territory in which the work is performed.

9. NOTICES

Any notice to be given by one party hereto to the other shall be in writing and be delivered personally or mailed by prepaid registered mail to the other party at the address shown on the face hereof and if mailed, such notice shall be deemed to have been received by the addressee on the day next following that on which it has been so mailed.

10. RESERVATION OF TITLE TO PARTS

Title to, property in and ownership of parts shall remain in Finning until all amounts due hereunder are paid in cash.

11. DELIVERY OF COPY / WAIVER

The Customer hereby acknowledges receiving a copy of this Agreement. The Customer waives all rights to receive from Finning a copy of any financing statement, financing change statement or verification statement filed at any time in respect of this Agreement.

12. TAXES

The Customer shall pay and discharge when due, all license fees, assessments, and all taxes including all sales, use, property, rental, excise, goods and services, and other taxes or duties (each of which is a "Tax") now or hereafter imposed by any federal, provincial, or local government or taxing authority upon the goods or services which are the subject matter of this Agreement (except income taxes payable by Finning). This customer obligation shall apply whether the Tax or Taxes are payable by, or billed or assessed to Finning, or the Customer, together with any penalties or interest in connection therewith. The Customer warrants the truth and accuracy of any statement in writing to Finning that the Equipment is not subject to, or is subject to any particular rate of Tax or Taxes. If Finning, either at the Customer's request or due to requirement of law or otherwise, pays any such Tax or any amount in excess of the amount which would have been payable based on the Customer's statement, the Customer shall forthwith reimburse Finning therefor. The amount of any such payment shall bear interest at the rate of 18% per annum.

13. DESTINATION CONTROL

These items are controlled by the U.S. government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.



PARTS QUOTATION

Service Warranty & On-Time Completion Guarantee
Finning's Service Warranty Coverage

Date 09/09/20

Page: 4 (4)

Finning (Canada), a division of Finning International Inc.

Quotation Number 0094883625

Quotation Total \$797.27

1. FINNING'S RESPONSIBILITY FOR SERVICE WARRANTY

Finning warrants the work performed by its personnel on equipment (other than on engines powering on-highway vehicles and in gas compression) to be free from defects in parts repaired by Finning ("Repaired Parts"), re-used parts and workmanship under normal use and service for 365 days or 4,000 hours of operation, whichever occurs first, from the date of completion of the work on the equipment. Work performed by Finning personnel on engines powering on-highway vehicles is warranted by Finning to be free from defects in Repaired Parts, re-used parts and workmanship under normal use and service for 365 days, 100,000 kilometers or 4,000 hours of operation, whichever occurs first, from the date of completion of the work on the engine.

Work performed by Finning personnel on commercial or industrial gas/diesel engine applications, marine and petroleum and electric power generating equipment, is warranted by Finning to be free from defects in Repaired Parts, re-used parts and workmanship under normal use and service for 365 days or 4,000 hours of operation, whichever occurs first, from the date of completion of the work on the engine or equipment as the case may be.

Work performed by Finning personnel on commercial gas engines powering gas compression equipment is warranted by Finning to be free from defects in Repaired Parts, re-used parts and workmanship under normal use and service for 365 days or 8,000 hours of operation, whichever occurs first, from the date of completion of the work on the engine.

Subject to the provisions of this service warranty, Finning will repair or replace, as it may elect, Repaired parts, re-used parts and redo workmanship where, upon inspection by Finning, the part or workmanship is determined by Finning to its satisfaction to be defective. Such repair or replacement or redo includes servicemen's travelling expenses (such as meals and accommodation) and travel time or transportation charges (up to a maximum of \$1000.00), labour, replacement parts, personnel and tools and, where required as a result of a warrantable failure, parts and labour required for maintenance service such as engine tune-up and supplies and consumables such as oil, grease, fuel or filters.

2. ON TIME JOB COMPLETION GUARANTEE

If the Customer requests that the work be completed by a specific time acceptable to Finning and the work is not completed by that time, Finning will pay by cheque or credit the customer's account, as determined by Finning, a sum equal to: Cost of Repair Amount Payable by Finning

\$0-\$20K 4% of the cost of the repair per day late
\$21K-\$50K 3% of the cost of the repair per day late
\$51K - \$100K 2% of the cost of the repair per day late
\$100K + \$2000 per day late

It is provided that under no circumstances will the amount payable by Finning under this On Time Job Completion Guarantee exceed 20% of the repair cost. Under this On Time Job Completion Guarantee, the first day that Finning is deemed to be late commences at 12:01 a.m. on the day following the day that Finning agreed to complete its work. Finning reserves the right to set off any amount payable by Finning under this Service Warranty against amounts owed or owing to Finning by the customer pursuant to any contract or other legal relationship between the Customer and Finning.

3. LIMIT OF FINNING'S RESPONSIBILITY WITH RESPECT TO SERVICE WARRANTY

(a) Warranty work will be done by Finning during the regular working hours of Finning's Service Department. Warranty work will be done during other than regular working hours at the Customer's request but the Customer will pay the difference between Finning's overtime labour billing rates and its regular straight time labour billing rates notwithstanding any other provision hereof.

(b) Warranty work will be carried out at a time and location determined by Finning.

(c) It is a condition of this warranty that the Customer properly maintain and operate the equipment or engine to which this warranty and comply with all service requirements and recommendations of Finning or the manufacturer thereof (and intended uses prescribed by the manufacturer or Finning) and that the Customer notify Finning immediately of a warrantable failure or defect or that a suspected warrantable failure or defect exists, has occurred or is about to occur. Labour or parts furnished to perform repairs required as a result of improper or careless operating practices, failure to give timely notice of a failure or defect, lack of adequate operating maintenance (including daily maintenance), willful or accidental damage or normal wear and tear are not covered by this warranty and will be paid for by the Customer at Finning's applicable labour billing rates and parts prices.

(d) Warranty claims will not be allowed unless Finning is notified in writing at the time of failure and before the expiration of this warranty.

(e) The liability of Finning under this warranty is limited to the repair or replacement of repaired parts, re-used parts and workmanship and to the provision of any amounts that may be specifically payable hereunder pursuant to section 2 hereof. Finning, its employees, agents and contractors shall not under any circumstances be liable for personal injuries (including death) to any person (including the Customer) or for any loss or damage to property or business either direct, indirect or consequential whether to parts, components or the equipment or to any other property, caused or contributed to by a warrantable failure or defect, by any work performed by Finning, by the delivery, operation or possession of parts, components or the equipment by Finning or any other person, by defects in repaired parts, re-used parts or workmanship or comparable equipment provided hereunder, by any default or negligence of Finning, its employees, agents or contractors or by any other cause or reason whatsoever. In addition, in no case shall Finning be liable for loss of profits, special, consequential or indirect damages, loss of income or use of parts, components or the equipment or comparable equipment provided hereunder whether or not caused or contributed to by the negligence or default of Finning.

4. NO OTHER WARRANTIES

This warranty is in lieu of all other warranties, either express, statutory or implied, arising from law or equity or any other source, including but not limited to any warranty of merchantability or fitness for a particular purpose.

5. TRANSFERABILITY

This warranty is exclusive to the owner of parts, components or the equipment at the time the work is performed and is not transferable to subsequent purchasers without the express written consent of Finning.

6. GEOGRAPHIC RESTRICTIONS

This warranty applies only to parts, components and equipment repaired by Finning and located in Finning's Canadian dealership territory.

CONTACT INFORMATION

RYAN CHAPPELL
CHEMCO
3135 - 4TH STREET
NISKU, AB
T9E 8L1
PHONE: 780 4369570
FAX:
Email: RCHAPPELL@CHEMCO.COM

EQUIPMENT

EQUIP NUM: MG1081
SERIAL NUMBER: B9E01081
MODEL : 160M
MANUFACTURER : CAT
COMPANY NAME : CHEMCO ELECTRICAL CONTRACTORS LTD
JOB SITE :
AREA:
REGION:

SAMPLE INFORMATION

COMPARTMENT NAME : ENGINE
COMP SERIAL NUM: TXD08918
COMPARTMENT MODEL : C9_CAT
LABEL#:
SHOP JOB NUM :
SAMPLE TYPE: OIL
SAMPLE SHIP TIME (days) : 3
SAMPLE LOCATION :

Interp By: Peter Leggo

**Action
Required**

REVISED *** 42% FUEL DILUTION MAY BE LOOSE LINES; BAD NOZZLES; PUMP SEALS; ETC. VISCOSITY IS BELOW ACCEPTABLE LIMITS.
OTHER READINGS APPEAR TO BE NORMAL. INVESTIGATE POSSIBLE SOURCES OF FUEL ENTRY AND REPAIR AS NECESSARY.

LAB #

N030-50255-0151

PROCESS 11-Sep-20
DATE

WEAR/CONTAMINATION - ADDITIVES/FORMULATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID CHANGE	FILTER CHANGE	Na	K	Si	Al	Fe	Cr	Pb	Cu	Sn	Ni	Ag	Ti	V	Zn	Ca	Mg	Ba	B	Mo	P
08-Sep-20	N030-50255-0151	13078	435	Y	Y	1	1	3	1	4	0	1	0	0	0	0	0	0	404	635	375	0	44	0	370
18-Aug-20	N030-50234-0675	12643	200	Y	Y	2	2	4	2	6	0	0	0	0	0	0	0	0	425	678	371	0	34	6	356
03-Aug-18	N030-48221-0541	8000	250	Y		10	0	3	2	8	0	0	6	0	0	0	0	0	930	1587	462	0	51	39	748
27-Feb-16	N030-46140-0105	2000	250	Y	Y	3	1	1	2	11	0	0	0	0	0	0	0	0	1135	1350	617	0	20	<0	1012

OIL FORMULATION - OIL CONDITION - OIL CONTAMINATION

SAMPLE DATE	SAMPLE ID	METER (HR)	METER ON FLUID	FLUID BRAND	FLUID TYPE	FLUID WEIGHT	FLUID CHANGE	FILTER CHANGE	V100	V40	VI	ST	OXI	SUL	NIT	A	F	PFc
08-Sep-20	N030-50255-0151	13078	435	CHEVRON		15W-40	Y	Y	3.8	15.0	151	1	32	25	8	N	P	42.14
18-Aug-20	N030-50234-0675	12643	200	CHEVRON		15W-40	Y	Y	3.9	15.7	149	3	29	24	8	N	P	38.77
03-Aug-18	N030-48221-0541	8000	250	ESSO	UNKNOWN	15W-40	Y		12.3	90.5	130	7	22	24	7	N	N	0.51
27-Feb-16	N030-46140-0105	2000	250	ESSO	UNKNOWN	5W-40	Y	Y	12.3	80.0		7	14	15		N	NT	

OIL CLEANLINESS

SAMPLE DATE	SAMPLE ID	FLUID CHANGE	FILTER CHANGE	W
08-Sep-20	N030-50255-0151	Y	Y	N
18-Aug-20	N030-50234-0675	Y	Y	N
03-Aug-18	N030-48221-0541	Y		N
27-Feb-16	N030-46140-0105	Y	Y	T

A = Antifreeze, Ag = Silver, Al = Aluminum, B = Boron, Ba = Barium, Ca = Calcium, Cr = Chromium, Cu = Copper, F = Fuel, Fe = Iron, K = Potassium, Mg = Magnesium, Mo = Molybdenum, NIT = Nitration, Na = Sodium, Ni = Nickel, OXI = Oxidation, P = Phosphorus, PFC = Percent Fuel Content, ST = Soot, SUL = Sulfation, Si = Silicon, Sn = Tin, Ti = Titanium, V = Vanadium, V100 = Viscosity@100C, V40 = Viscosity@40C, VI = Viscosity Index, W = Water, Zn = Zinc

Notice: This analysis is intended as an aid in predicting mechanical wear. No guarantee, expressed or implied, is made against failure of this piece of equipment or a component thereof.

ART SOUCY MECHANICAL LTD.

Box 7581

Peace River AB T8S 1T2

780-824-4662

GST Registration No.: 898855283RT0001

INVOICE

BILL TO

Northpoint Enterprises

Brent Nordstrom

Box 92

North Star AB T0H 2T0

INVOICE # 10968

DATE 22/12/2022

TERMS Net 30

W.O. NUMBER

1443S

DESCRIPTION

160M Cat

SN:B9E01081

13727hrs

- Bring machine in shop
- Found two bent push tubes
- Hook up laptop and found multiple times of low oil pressure and six times of low oil pressure at 1600rpm
- Check and sensor is good
- Found debris in filter so remove engine and complete disassemble engine
- Found considerable amount of wear in engine
- Supply and install new pistons, liners, cylinder head, injectors, huey pump, bearings, oil pump, water pump, camshaft lifters, oil coolers, etc
- Completely rebuild the engine and reinstall
- Repair oil leaks at transmission as necessary
- Start up and test run machine; all appears to be good

QTY

RATE

AMOUNT

Mechanical Services, Shop

110

160.00

17,600.00

Injectors

8,697.15

8,697.15

Pumps (3)

7,147.63

7,147.63

Cylinder Packs

7,300.59

7,300.59

Cylinder Head

6,007.41

6,007.41

Lifters

4,085.93

4,085.93

Oil Coolers

3,320.14

3,320.14

Gasket Kits and Gaskets

2,834.55

2,834.55

Bearing Kit and Bearings

2,008.86

2,008.86

Retainer

925.49

925.49

	QTY	RATE	AMOUNT
		577.54	577.54
Seals and O-rings		510.08	510.08
Filters		418.95	418.95
Bolts, Nuts, Washers		331.19	331.19
Spring Guides		276.54	276.54
Freight		223.90	223.90
Studs		192.36	192.36
Regulators		169.17	169.17
Push Tubes		124.43	124.43
hose and Hose Assy		56.72	56.72
Antifreeze		44.40	44.40
Clamps		21.94	21.94
Connectors		8.37	8.37

SUBTOTAL	62,883.34
GST @ 5%	3,144.19
TOTAL	66,027.53
BALANCE DUE	\$66,027.53

QTY	PART NO. AND DESCRIPTION
1	06-08 FP Fitting.
1	06-06 FP Fitting
3'	3/8 Hyd hose.
WORK COMPLETED BY: <i>Dan Boyles</i>	
DATE <i>Jan 18/24</i>	
UNIT # <i>612</i>	MAKE <i>Cat</i>
HOURS <i>15151</i>	KMS



WORK ORDER
NO. **1315**

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

JOB DESCRIPTION

Replace side shift hose on Right Side

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

DATE Jan 17/24

KMS

Replace blade side SHIRT hose on LEFT side.

QTY	PART NO. AND DESCRIPTION



WORK ORDER
NO. 1379

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas		DATE Jan 20 24	
UNIT # G12	MAKE Cat	HOURS 15268	KMS

JOB DESCRIPTION

Change oil + Filter
Change fuel filters
Change cutter Air air filter
Changed 1 work light
changed picks
Changed LH mirror
Checked fluids

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

DATE	July 21/24
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KMS

Remove Blade Tilt cylinder to Rose! Realize it has piston and barrel damage.
Put back on and order new cylinder.

[illegible]

WORK ORDER
NO. 1024

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: <i>Dan Boyles</i>		DATE <i>Jan 24/24</i>	
UNIT # <i>G12</i>	MAKE <i>Cat</i>	HOURS <i>15327</i>	KMS

JOB DESCRIPTION

Replace heater blower motor.

QTY	PART NO. AND DESCRIPTION
1	IR-0749
1	326-1644
1	IR-0762
1	Ir-1808
32L	10W40 oil



WORK ORDER
NO. 0652

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Dylan, Dan			DATE Feb.17.2024	
UNIT # G12	MAKE CAT	HOURS 15.623	KMS	

JOB DESCRIPTION

Change engine oil and fuel filters

QTY	PART NO. AND DESCRIPTION
1	1A1908 oil Filter
32L	oil
1	326-1644 Fuel Filter
1	1R0749 Fuel Filter
1	1R0762 Fuel Filter



WORK ORDER
NO. 1574

PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-9341

WORK COMPLETED BY: Dan Boyles		DATE Feb 23/24	
UNIT # G12	MAKE Cat	HOURS	KMS

JOB DESCRIPTION

Replace bushings in blade pivot.
change oil and Filter
change Fuel Filters.

QTY	PART NO. AND DESCRIPTION



WORK ORDER
NO. 1074

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Dan			DATE Feb 23 24	
UNIT # 612	MAKE cat	HOURS 15726	KMS	

JOB DESCRIPTION

Changed main blade bushings
replaced 2 back up lights with led

[illegible]

WORK ORDER
NO. 1434

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas

DATE Mar 19 24

UNIT # G12

MAKE cat

HOURS	15984	KMS
-------	-------	-----

JOB DESCRIPTION

Oil change
change air filters
Change sideShift + ram
check fluids

QTY	PART NO. AND DESCRIPTION
8	7K-9202 - SEAL
4	3053384 - PIN
4	8D7086 - BUSHING
1	3621320 - BOLT
1	1S4305 - WASHER
1	7X0618 - WASHER
2	2465926 - SEA SEAL KIT



WORK ORDER
NO. 1626

PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-0611

WORK COMPLETED BY: Zelko			DATE AUG. 14, 2024	
UNIT # G12	MAKE CAT	HOURS 16053	KMS	

JOB DESCRIPTION

- REPLACING ARTICULATION SEALS LH, RH
- REPLACING ARTICULATION CYLINDER PINS AND BUSHINGS LH, RH
- REPLACING ARTICULATION AIR CYLINDER SEALS LH, RH

2465926
SEAL KT - H CYL 1



www.cat.com



CATERPILLAR®

SEAL KT - H CYL 1
D19M03Y24L600080

Part Number

2465926

Quantity

1 PC

Origin Level

US 01

Caterpillar Inc.
Peoria, Illinois 61629 USA
www.cat.com

Made to Caterpillar
specifications in:

UNITED STATES



PART	QTY	DESCRIPTION	PART	QTY	DESCRIPTION
1872182	1	SEAL AS-BUFFER			
1872302	1	SEAL-U-CUP			
1757897	1	SEAL-O-RING			
2271143	1	SEAL-WIPER			
4T8779	1	RING-WEAR			
6J0793	1	SEAL AS			
6J1381	1	RING			
8J6371	1	RING			

QTY	PART NO. AND DESCRIPTION
8	7K-9202 - SEAL
4	3053384 - PIN
4	8D7086 - BUSHING
1	3621320 - BOLT
1	154305 - WASHER
1	7X0618 - WASHER
2	2465926 - SEA SEAL KIT



WORK ORDER
NO. 1626

PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-0611

WORK COMPLETED BY: Zelko			DATE AUG. 14. 2024	
UNIT # G12	MAKE CAT	HOURS 16053	KMS	

JOB DESCRIPTION

- REPLACING ARTICULATION SEALS LH, RH
- REPLACING ARTICULATION CYLINDRICAL PINS AND BUSHINGS LH, RH
- REPLACING ARTICULATION ~~HR~~ CYLINDRICAL SEALS LH, RH

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

DATE Dec 10/24

KMS

~~change~~ Install new Radio and Antenna

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-0611

KMS

change side shift hose
set side shift shims

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

DATE Jan 6/25

KMS

Charge Radio.

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

[illegible]

WORK ORDER
NO. 1494

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas

DATE Jan 8 25

UNIT #G13

MAKE Deere

HOURS	13304	KMS
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JOB DESCRIPTION

Change Picks
Change T light
fix leak on circle manifold
Tighten pick board

QTY	PART NO. AND DESCRIPTION
1	1 R-1808 Oil
1	326-1644 Fuel
1	1R-0749 fuel
1	1R-0762 fuel
1	245-6375 air
1	149-1912 Cab air



WORK ORDER
NO. 0697

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas			DATE Jan 15 25
UNIT # G12	MAKE Cat	HOURS 16722	KMS

JOB DESCRIPTION

Change oil + filter
Change fuel filters
Change outer air filter
Change cab air filters
Checked all fluids

QTY	PART NO. AND DESCRIPTION



WORK ORDER
NO. **0711**

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas		DATE Feb 1 25	
UNIT #612	MAKE PONTIAC	HOURS 7077	KMS

JOB DESCRIPTION

Fix leak on steer ram

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

KMS

- change oil + filter
- check circle oil
- check Tran oil
- check air filter
- check coolant
- check hyd oil

[illegible]

WORK ORDER
NO. 0740

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas

DATE	Feb 8 25
------	----------

UNIT # G13

MAKE Deere

HOURS 10721

	KMS
--	-----

JOB DESCRIPTION

Change turbo + ~~lines~~ gaskets related

change coolant line on top of valve cover

Topped off coolant checked fluids

QTY	PART NO. AND DESCRIPTION
84	ice picks
1	5C-8811 wiper blade
1	259-4759 mirror
WORK COMPLETED BY: Dylan	
DATE Feb. 10, 2025	
UNIT # 61a	MAKE CAT
HOURS 7233	KMS



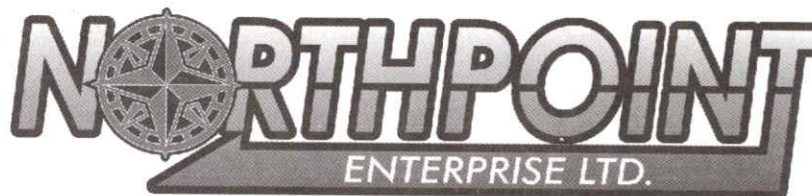
WORK ORDER
NO. 1442

PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-9341

JOB DESCRIPTION

- Change ice picks
- Change front middle wiper blade
- test LF mirror heater for power
- replace LF mirror

QTY	PART NO. AND DESCRIPTION
1	1R-1808 - OIL FILTER
1	1R-0762 - FUEL FILTER
1	1R-0749 - FUEL FILTER
1	326-1644 - FUEL FILTER
1	245-6375 - AIR FILTER
1	328-3655 - TRANSMISSION FILTER
1	1G-8878 - HYDRAULIC FILTER
1	338-3540 - HYDRAULIC FILTER



WORK ORDER
NO. 2093

PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-0611

WORK COMPLETED BY: Zeljko		DATE NOV. 03. 2025	
UNIT # G 12	MAKE CAT	HOURS 17861	KMS
JOB DESCRIPTION			
- CHANGING ENGINE OIL (10W/40 - 32 LIT.)	1	245-6376 - INNER AIR FILTER	
- REPLACE OIL FILTER	1	1932200 - SEAL-LIP TIRE	
- REPLACE FUEL FILTERS	1	3672761 - DOOR SEAL	
- REPLACE AIR FILTERS	1	2641180 - PIN	
- REPLACE TRANSMISSION FILTER	1	64-4076 - BUSHING	
- CHANGING TRANSMISSION OIL (DURATRAN XL)	2	5P-8843 - SEAL	
- CHANGING DIFFERENTIAL OIL	2	131-4428 - BUSHING SLEEVE	
- REPLACE HYDRAULIC FILTERS	1	CAB FILTER 149-1912	
- REPLACE BUSHINGS, SEALS AND PIN ON THE ARTICULATE FRONT END	1	6161801 - YOKE	
- REPLACE DOOR SEAL ON LH	8	1608750 - BOLT	
- CHANGE INNER AIR FILTER	1	1561153 - SERVICE KIT	
- REPLACE CAB AIR FILTER (OUTSIDE)	1	193-2200 - SEAL	
- STRAIGHT OUT TIE ROD BAR	1	211-2660 - CAB AIR FILTER	
- REPLACE SEAL ON TRANSMISSION	1	188-0633 - SEAL BRAKE	
- REPLACE YOKE ON TRANSMISSION	1	246-8777 - SEAL BRAKE	
- REPLACE BOLTS ON YOKE	1	1719375 - O-RING	
- REPLACE INNER CAB AIR FILTER	3	343-8739 - FRICTION DISC	
- REPLACE CLUTCH PLATE, FRICTION DISC ON PARK BRAKE	4	246-8780 - CLUTCH PLATE	
- REPLACE O-RINGS ON PARK BRAKE	1	438996 - O-RING	
- GREASING	2	6V5759 - O-RING	

JDC Print Shop 780-836-3810



WORK ORDER
NO. 2160

[illegible]

QTY	PART NO. AND DESCRIPTION
146	coolant



WORK ORDER
NO. 1920

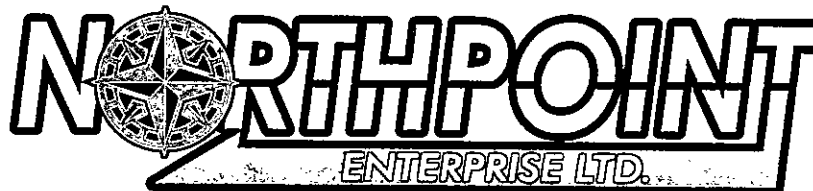
PO Box 930 Manning, AB T0H 2M0 Phone:780-836-0611

WORK COMPLETED BY: DY197			DATE Dec.14-2025	
UNIT # G12	MAKE CAT	HOURS 8036	KMS	

JOB DESCRIPTION

- tighten ~~the~~ clamps at plastic Y on RH side of engine
- add coolant and check for leaks

QTY	PART NO. AND DESCRIPTION
1	338-3540 - HYDRAULIC OIL FILTER
1	328-3655 - TRANSMISSION FILTER
1	1G-8878 - HYDRAULIC FILTER
4	2795267 - INSERT CUP
4	279-5268 - CUP SHIM
2	2534646 - SHIM STEEL PLAT
4	2436652 - COVER PLATES (BOTTOM)
3	2656722 - COVER PLATES (TOP)



PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-9341

WORK ORDER
NO. 0554

1000 Hrs Service

WORK COMPLETED BY: *Leivo*

DATE JAN. 02. 2023

UNIT # G12

MAKE CAT

HOURS 13731

KMS

JOB DESCRIPTION

CHANGE OIL IN TRANSMISSION (65Ltr.)

CHANGE OIL IN DIFFERENTIAL

CHANGE OIL IN HYDRAULIC (60Ltr.)

CHANGING O-RINGS ON OIL PLUGS

REPLACING BLADES

WELDING BLADE

CHANGING OIL IN CIRCLE DRIVE (8Ltr.)

CHANGING OIL IN FINAL DRIVE (80X2)

FIX OIL LEAK ON END OF TRANSMISSION

FIX BACK LIGHT WIRE HARNESS BROKEN.

REPLACING STEEL PLATES FOR BLADE SHIMS

REPLACING WORK LIGHT ON LH (45W-2.0LED)

REPLACING ONE HIGH BEAM LIGHT BULB (H4 24V)

INSTALL TWO-WAY RADIO

CHECK OIL IN FRONT WHEEL HUB

GREASED

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

QTY	PART NO. AND DESCRIPTION
1	320054227 shear pin
2	320034006 Hairpin clip.



WORK ORDER
NO. **0831**

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: <i>Den Boyles</i>		DATE <i>Feb 1st / 23</i>	
UNIT # <i>G12</i>	MAKE <i>Cat</i>	HOURS	KMS

JOB DESCRIPTION

Take Bolt out of wing GRIND BURR OFF OF SHAFT and move in oye hole. Replaced Bolt with proper shear pin.

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

DATE	Re 68/23
------	----------

HOURS	13 967.7	KMS
-------	----------	-----

Put left Door window back in place. Replace Right side top slide Keeper Bolt.

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

Changed two lights and a fuse

QTY	PART NO. AND DESCRIPTION
1	1R1808
1	32G-1644
1	1R-0749
1	1R-0762
1	



WORK ORDER
NO. 0916

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas + Harry		DATE Feb 17 2023	
UNIT # G12	MAKE Cat	HOURS 14.64	KMS

JOB DESCRIPTION

Changed engine oil + filter Thom Harry
 Changed fuel filters Thomas
 Changed air filters Outter Thomas
 Checked coolant +
 Checked tran fluid
 Checked hyd oil
 Checked circle drive oil

QTY	PART NO. AND DESCRIPTION
1	245-6376 INNER air Filter
1	245-6375 outer air Filter
1	149-1912 outside air Cab Filter
1	211-2660 Recirc air Cab Filter



WORK ORDER
NO. 0926

PO Box 930 Manning, AB T0H 2M0 Phone: 780-836-9341

WORK COMPLETED BY: Thomas + Dall		DATE March 1 2023	
UNIT # G12	MAKE cat	HOURS	KMS

JOB DESCRIPTION

changed air filters Inner + outer .
Look at heating issue and determine that it needs thermostats.
Replaced Cab air filters.

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

DATE	mar 8 2023
------	------------

KMS

change oil + filter
change fuel filters
blew out air filters
checked all fluids
cleaned fan belt

QTY	PART NO. AND DESCRIPTION



WORK ORDER
NO. **0931**

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: *Day Boyles, Harrison* DATE *Mar 3 / 23*

UNIT # *612*

MAKE *Cat*

HOURS

KMS

JOB DESCRIPTION

Replace Thermostats.

QTY	PART NO. AND DESCRIPTION
6L	Coolant
1	Nos48 Light
1	245-6375
1	245-6376 } air filters
2	466-1604 Spacer
8	467-5183 Bushings
2	526-6468 Pins.
2	526-6469 Collars



WORK ORDER
NO. 1559

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Dylan + Dan		DATE June. 10	
UNIT # G/2	MAKE C9+	HOURS 16049	KMS

JOB DESCRIPTION

- replace tilt cylinder hydraulic hose
- replace moldboard tilt cylinder hydraulic hose
- replace wing cylinder hydraulic hose
- wash around engine
- remove pick boards
- inspect belt and pulleys,
- remove stump pan and wash
- drain coolant, repair hose and refill
- check for leaks
- weld crack in stump pan and reinstall
- replace work light LH over circle
- replace air filters
- build new safety chain for wing
- get circle line bored at blade pivot
- replace bushing, spacers, pins and collars to new style at blade pivot.
- replace blade slide skids on LH side.
- change inserts at blade lift cylinder ends.
- change inserts at circle side shift cylinder ends
- adjust circle skids.
- install pick boards / weld CRACK of wing support.

1 of 2534646 plate
1 of 446-1526 wear strip
1 of 276-1318 wear strip
1 of 276-1319 wear strip
8 of 279-5267 insert

QTY	PART NO. AND DESCRIPTION
6L	Coolant
1	Nos48 Light
1	245-6375
1	245-6376
2	466-1604 Spacers
8	462-5183 Bushings
2	526-6468 Pins
2	526-6469 Collars



WORK ORDER
NO. 1559

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Dylan + Dan			DATE June 10
UNIT # 612	MAKE C9+	HOURS 16049	KMS

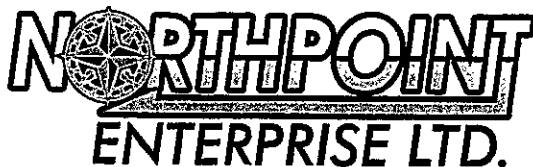
JOB DESCRIPTION

- replace tilt cylinder hydraulic hose
- replace moldboard tilt cylinder hydraulic hose
- replace wing cylinder hydraulic hose
- wash around engine
- remove pick boards
- inspect belt and pulleys
- remove stump pan and wash
- drain coolant, repair hose and refill
- check for leaks
- weld crack in stump pan and reinstall
- replace work light LH over circle
- replace air filters
- build new safety chain for wing
- get circle line bored at Blade pivot
- replace Bushing, spacers, pins and collars to new style at Blade pivot
- replace blade slide shims on LH side
- change Inserts at blade lift cylinder Ends
- change Inserts at circle side tilt cylinder Ends
- Adjust circle shims
- install pick boards / weld CRACK at wing support.

1 of 2534646 Plate
1 of 446-1526 wear strip
1 of 276-1318 wear strip
1 of 276-1319 wear strip
8 of 279-5267 Insert

N/A

circle drive



50 Point Inspection

PM

☐ 250

☐ 1000

EQUIPMENT INSPECTION

Date: June 11

Unit Number: 612

Hours: 16049 Kms: _____

Completed By: Dylan

P Indicates Satisfactory

F Indicates Not Satisfactory

N/A indicates Not Applicable

P	F	ITEM	SERVICED
GENERAL WALK AROUND			
		Grab Bars and Steps (Loose/Missing)	☒
		Sheet Metal (Damaged/Loose)	☒
		Glass & Mirrors (Missing/Broken/Loose)	☒
		Fender/Bumpers (Damaged/Loose)	☒
		Frame/Car Body/Rops/Mounting Bolts	☒
		Check Grease Nipples	☒
WORK EQUIPMENT			
		Boom Arm, Push Arms <u>N/A</u>	☐
		Get Condition (Worn/Missing) Pin/Bushing <u>N/A</u>	☒
		Cylinders (Leaking, Damaged)	☒
		Cutting Edgewear	☒
		Other:	☐
PRE-STARTUP			
		Engine Oil Level	☒
		Transmission/PT Oil Level	☒
		Hydraulic Oil Level	☒
		Final Drive/Differential Oil Levels	☒
		Swing Machinery Oil Level	☐
		Coolant Level	☒
CAR INTERIOR			
		Monitor Panel Screen (Scratched/Broken)	☒
Record Error Codes From Monitor Panel:			
		Rear Camera Functionality <u>N/A</u>	☐
		Cab Lights, Bulbs, Fuses and Switches	☒
		Seat Operation and Safety Belt	☒
		Fire Extinguisher (Available/Good Charge)	☐
		Wiper Function and Blade Condition	☒
		Windows: Latches and Glass (Missing/Function)	☒
		Doors: Latches, Strikers, Hold Backs	☒
		AC/Heater Operation and Louvers	☒
		Horn and Back up Alarm (Function)	☒

P	F	ITEM	SERVICED
START MACHINE			
		Lever Control Action & Accumulation	☒
		Ripper or Work Equipment	☒
		Boom (Function, Damaged) <u>N/A</u>	☐
		Arm (Function, Damaged) <u>N/A</u>	☐
		Bucket (Function, Damaged) <u>N/A</u>	☐
		Lift (Function, Damaged)	☒
		Tilt (Function, Damaged)	☒
		Dump (Function, Damaged) <u>N/A</u>	☐
		Parking Break (Function)	☒
		Brake Accumulation/Pedal Operation	☒
		Head Lamps (Function/Missing/Broken)	☒
UNDERCARRIAGE			
		Bushings	☐
		Links <u>N/A</u>	☐
		Track Shoes	☐
POWERTRAIN			
		Hoses (Leaking/Worn/Damaged)	☒
		Belts (Noisy, Worn, Missing)	☒
		Engine (Leaks)	☒
		Exhaust/Turbo (Leaks/Smoking)	☒
		Doser Piping (Leaks/Damaged) <u>N/A</u>	☐
		EGR Assembly (Leaks/Connected)	☐
		DPF Assembly and Heating Shielding <u>N/A</u>	☐
		SCR System & Adblue/DEF Tank (Leaks)	☐
		Transmission/Cooler and T/C (Leaks)	☒
		Final Drives or Differentials (Leaks)	☒
		Hydraulic Cooler	☒
		Radiator /Radiator Cap	☒
		Fan Motor/Blade (Leaks/Damaged)	☒
		Battery Electrolyte Level	☒
		Fuel Tank Cap (Missing/Leaking)	☒
		Air Filter (Plugged/Missing)	☒

During this inspection, were the defective items repaired? YES ☒ NO ☐

Additional Comments: _____

[illegible]

WORK ORDER
NO. 1193

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas

DATE Aug 21 2023

UNIT # G12

MAKE Cat

HOURS	146.36
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KMS

JOB DESCRIPTION

change circle drive oil inspected circle gear looks great

Change front wheel hub oil

checked front engine belt + pulleys New Belt ordered Changed

Pulled Shims on lift + ram S

tightened side shift shims

Replaced Side Shift line

Replaced Left Steer Sensor

re sealed Left Steer ram

Changed hyd filter + oil

changed LH Steering cylinder Ball Stud

Changed hyd filter

Changed Trans filter

Changed axle filter

Changed line between axle + tran

changed 3 tran case Plate O rings

tightened hose clamp on fill hose

Changed Plug O-rings on tran case + diff drain + tran drain

the Alabes L.H.

Drained coolant changed fitting to Webasto heater

Changed hyd oil GOL

QTY	PART NO. AND DESCRIPTION



WORK ORDER
NO. **1197**

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Thomas		DATE 190 Aug 21 2023	
UNIT # G-12	MAKE Cat	HOURS 14636	KMS

JOB DESCRIPTION

Changed tandem oils
 Checked Circle Shims
 Checked Block heater works good
 Cleaned out tandem + tran Breathers
 Changed O-ring on leaky valve on neck
 Changed Outer air filter
 Checked oil
 Changed King Pins + Bushings front end
 Changed Left hand Steering Position Sensor wire
 Installed GPS IMEI: 864802030274124
 Changed 2 lights
 Greased
 Charged a/c 4.0lbs held a 22 in Hg vacuum for 30 min
 Blew out rads
 Set circle shims outside
 function test all functions v Good



50 Point Inspection

PM

☐ 250

☒ 1000

EQUIPMENT INSPECTION

Date: 08 Aug 2022

Unit Number: G12

Hours: 14636 Kms:

Completed By: Thomas

P Indicates Satisfactory

F Indicates Not Satisfactory

N/A indicates Not Applicable

P	F	ITEM	SERVICED
GENERAL WALK AROUND			
P		Grab Bars and Steps (Loose/Missing)	☒
P		Sheet Metal (Damaged/Loose)	☐
P		Glass & Mirrors (Missing/Broken/Loose)	☐
P		Fender/Bumpers (Damaged/Loose)	☐
P		Frame/Car Body/Rops/Mounting Bolts	☐
P	F	Check Grease Nipples	☒
WORK EQUIPMENT			
P		Boom Arm, Push Arms	☐
P		Get Condition (Worn/Missing) Pin/Bushing	☐
P		Cylinders (Leaking, Damaged)	☐
P		Cutting Edgewear	☐
		Other:	☐
PRE-STARTUP			
P		Engine Oil Level	☐
P		Transmission/PT Oil Level	☐
P		Hydraulic Oil Level	☐
P		Final Drive/Differential Oil Levels	☐
P		Swing Machinery Oil Level <u>circle</u>	☐
P		Coolant Level	☐
CAR INTERIOR			
P		Monitor Panel Screen (Scratched/Broken)	☐
Record Error Codes From Monitor Panel:			
P		Rear Camera Functionality	☐
P		Cab Lights, Bulbs, Fuses and Switches	☐
P		Seat Operation and Safety Belt	☐
	F	Fire Extinguisher (Available/Good Charge)	☐
P		Wiper Function and Blade Condition	☐
P		Windows: Latches and Glass (Missing/Function)	☐
P		Doors: Latches, Strikers, Hold Backs	☐
	F	AC/Heater Operation and Louvers	☒
P		Horn and Back up Alarm (Function)	☐

P	F	ITEM	SERVICED
START MACHINE			
P		Lever Control Action & Accumulation	☐
P		Ripper or Work Equipment	☐
N/A		Boom (Function, Damaged)	☐
N/A		Arm (Function, Damaged)	☐
N/A		Bucket (Function, Damaged)	☐
P		Swing (Function, Damaged)	☐
P		Tilt (Function, Damaged)	☐
P		Dump (Function, Damaged)	☐
P		Parking Break (Function)	☐
P		Brake Accumulation/Pedal Operation	☐
		Head Lamps (Function/Missing/Broken)	☐
UNDERCARRIAGE			
N/A		Bushings	☐
N/A		Links	☐
N/A		Track Shoes	☐
POWERTRAIN			
	F	Hoses (Leaking/Worn/Damaged)	☒
	F	Belts (Noisy, Worn, Missing)	☒
N/A		Engine (Leaks)	☐
N/A		Exhaust/Turbo (Leaks/Smoking)	☐
N/A		Doser Piping (Leaks/Damaged)	☐
N/A		EGR Assembly (Leaks/Connected)	☐
N/A		DPF Assembly and Heating Shielding	☐
N/A		SCR System & Adblue/DEF Tank (Leaks)	☐
	F	Transmission/Cooler and T/C (Leaks)	☒
	F	Final Drives or Differentials (Leaks)	☒
P		Hydraulic Cooler	☐
P		Radiator/Radiator Cap	☐
P		Fan Motor/Blade (Leaks/Damaged)	☐
P		Battery Electrolyte Level	☐
P		Fuel Tank Cap (Missing/Leaking)	☐
	F	Air Filter (Plugged/Missing)	☒

During this inspection, were the defective items repaired? YES ☒ NO ☐

Additional Comments: Fire extinguisher needed

QTY	PART NO. AND DESCRIPTION



WORK ORDER
NO. 1286

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Dan Boyles		DATE Dec 2 / 23	
UNIT # G12	MAKE Cat	HOURS 14645.2	KMS

JOB DESCRIPTION

Put new picks in pickboard.
straighten LEFT Front Fender brackets and install new fender.

QTY	PART NO. AND DESCRIPTION
1	10R 10R-9097- alternator
1	10R-5407- water pump
1	2938867-o-ring kit
50L	Coolant
WORK COMPLETED BY: Dylan	
DATE Jan. 26. 2026	
UNIT # G12	
MAKE CAT	
HOURS 18597	
KMS	



WORK ORDER
NO. 1479

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

JOB DESCRIPTION

- drain coolant
- remove water pump and ~~found~~ Found bearing was no good needs replaced
- reinstall and fill up coolant and check for leaks
- found alternator bearing was starting to sieze up. So replaced alternator
- transfer plugs over from old water pump to new pump

QTY	PART NO. AND DESCRIPTION
1	H3 24V bulb
1	IR-1808-oil filter
32L	10W40 oil
1	245-6375-outer air filter
1	245-6376-inner air filter
90	PICKS



WORK ORDER
NO. 1478

PO Box 930 Manning, AB T0H 2M0 Phone:780-836-9341

WORK COMPLETED BY: Dylan			DATE Jan. 25 - 2020
UNIT # G12	MAKE CAT	HOURS 18596	KMS

JOB DESCRIPTION

- Change both air filters
- Change LH top/rear light bulb
- Change engine oil and oil filter
- Change picks

JDC Print Shop 780-836-3810

[illegible]

JDC Print Shop 780-836-3810

[illegible]

