



UNIT	446
YEAR	2017
MAKE	John Deere
MODEL	3156G
SERIAL	1FF3156GHHD316035
ENGINE SER.	-

SUMMARY

DATE: 2025-08-07

METER READING: 12557

PARTS REPLACEMENT

DESCRIPTION: BRANDT replaced length measuring wheel

DATE: 2024-07-26

METER READING: 12304

PARTS REPLACEMENT

DESCRIPTION: resealed hydraulic cylinder; replaced pump, rollers, idlers, delimber, feed arm cylinders, upper delimb link

DATE: 2024-07-25

METER READING: 12309

PARTS REPLACEMENT

DESCRIPTION: BRANDT replaced pump, measuring hydraulic cylinder, hydraulic motor (for feed unit arm motor), low speed high torque hydraulic motor (for centre feed unit), hydraulic cylinder (for feed arm), chainsaw sprocket kit (10 teeth), measuring unit sensor, rollers, idlers



Mur-Cal Services Ltd.
15301 89 Street
Grande Prairie, AB T8V 0V7
780 539-0928

EQUIPMENT WORK ORDER 2013

Equipment: 446 17 JOHN DEERE 3156G 3156G Processor

Serial #: 1FF3156GHHD316035

Repair Status: COMPLETE

Order Date: 07/26/24

Current location: MUR CL-0389 (18-MC26-CL-B CNRL Karr)

Mechanic: Derek

Required Date:

W.O. Status: Closed

Problem Type: CAP REP

Start Date:

Priority: 1

Problem Cause: WEAR

Finish Date: 08/26/24

Reported By:

Return to Service: 09/17/24

Contact Name:

Closed Date: 09/17/24

PURCHASE ORDERS

<u>Purchase order</u>	<u>Vendor</u>	<u>Item</u>	<u>U/M</u>	<u>Ordered</u>	<u>Quantity</u>	<u>Due</u>	<u>Delivery Date</u>
QUANTITY RECEIVED/CLOSED:							
32136	1112	!MISC REP PARTS			1.00	1.00	
32247	1522	!BOLTS			1.00	0.00	
32277	1906	!O-RINGS			1.00	0.00	
32304	1047	!HOSE			1.00	0.00	
32341	1522	!HOSES			1.00	0.00	
32342	1047	!HOSES			1.00	0.00	
32372	1522	!TOOLS			1.00	0.00	
32379	1205	!MAKE SPACER			1.00	0.00	
32383	1522	!TOOLBOX			1.00	0.00	
32405	1112	!WEAR RINGS			1.00	0.00	
32410	1522	!WRENCH			1.00	0.00	
32437	1205	!REBUILD CYLINDE			1.00	0.00	

PARTS USED

<u>Date</u>	<u>Item</u>	<u>Bin Location</u>	<u>U/M</u>	<u>Quantity</u>	<u>Part Note</u>
Inventory:					
08/04/24	GA16GSF-4 #16 Collar 4 Wire	HE4-FLOOR		-4.00	
08/09/24	255675-448-B Hydraulic Oil	I00-END		-14.00	
08/09/24	4630525 filter, hydraulic pilot	E02-06		-1.00	
08/09/24	FF103441 for filter # FFSB 114712	MB2-21		-1.00	
08/09/24	FFSB114711 2154G Processor (supply 1	E03-03		-1.00	
08/09/24	FFSB114712 2154G Processor (supply 1	E03-04		-1.00	
08/09/24	FYA00033065 filter, hydraulic	E02-07		-1.00	
08/09/24	R121424 For filter # FFSB 114711	MB2-20		-1.00	
08/15/24	4S00686 250 & 350 excavator (Deere an	B02-02		-1.00	
08/15/24	FYA00001490R Filter, cab	B02-01		-1.00	
08/15/24	P551124 FILTER KIT (320194657/P5511	D04-05		-1.00	
08/15/24	P551858 OIL FILTER (320245647/P5511	E04-02		-1.00	
08/15/24	P553161 same as DZ101884(320225322	D04-06		-1.00	
08/15/24	P617643 AIR FILTER (320083241/P6171	B01-03		-1.00	
08/15/24	P617644 AIR FILTER (320083276/P6171	B01-04		-1.00	
08/15/24	SL550045390 (3 per cs) Eng oil 5W40 R	K04-01		-3.00	
08/15/24	SL550046217 Pail	I04-04		-1.00	

<u>Date</u>	<u>Item</u>	<u>Bin Location</u>	<u>U/M</u>	<u>Quantity</u>	<u>Part Note</u>
08/20/24	WA101652 Seal kit	NB03		-1.00	
08/26/24	GA12GSF-4 #12 Collar 4 Wire	HE2-FLOOR		-2.00	
08/26/24	GA8GSF-4 #8 Collar 4 Wire	HE1-FLOOR		-4.00	
08/26/24	GANG93-4-4 Hose end	HE1-13		-3.00	
08/26/24	GANG93-6-6 Hose end	HE1-22		-3.00	
08/26/24	GANG932-4-4 Hose end	HE2-11		-1.00	
08/26/24	GANG932-6-6 Hose end	HE1-26		-1.00	
08/26/24	GANGS58-12-12 #12 ORS STR	HE2-51		-1.00	
08/26/24	GANGS58-16-16 Hose end	HE2-61		-4.00	
08/26/24	GANGS58-8-8 #8 ORS STR	HE2-33		-4.00	
08/26/24	GANGS582-12-12 Hose end	HE2-54		-1.00	

A/P:

08/09/24	!O-RINGS		0.00
08/13/24	!HOSE		0.00
08/14/24	!HOSES		0.00
08/15/24	!HOSES		0.00
08/15/24	!MAKE SPACER		0.00
08/15/24	!TOOLBOX		0.00
08/15/24	!TOOLS		0.00
08/17/24	!WEAR RINGS		0.00
08/20/24	!REBUILD CYLINDER		0.00
08/28/24	!MISC REP PARTS		0.00
07/23/25	!MISC REP PARTS		0.00

OTHER OPEN WORK ORDERS

<u>Work Order</u>	<u>Description</u>	<u>Problem Type</u>	<u>Mechanic</u>	<u>Order Date</u>	2013
2930	HYD LINES/BOOST BATTERIES	INSIDE	BRONSON	04/15/25	
3470	LENGTH MEASURING PARTS REPLACEMENT + DOOR PARTS	INSIDE	BRANDT - ROGER	07/28/25	
4325	NO START + BATTERIES + JOB PREP	INSIDE	KEVIN	11/25/25	
4337	HYD LEAK	OUTSIDE	KEVIN/ROGER	11/27/25	

Authorized By: _____
Signature and Date

Mechanic: _____
Signature and Date

Additional Parts Required:

Mechanics Completion Notes:



Mur-Cal Services Ltd.
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EQUIPMENT WORK ORDER 2930

Equipment: 446 17 JOHN DEERE 3156G 3156G Processor

Serial #:	1FF3156GHHD316035	Repair Status:	COMPLETE	Order Date:	04/15/25
Current location:	MUR CL-0389 (18-MC26-CL-B CNRL Karr)	Mechanic:	BRONSON	Required Date:	
W.O. Status:	Closed	Problem Type:	INSIDE	Start Date:	04/15/25
Priority:	9	Problem Cause:	WEAR	Finish Date:	04/16/25
		Reported By:		Return to Service:	05/24/25
		Contact Name:		Closed Date:	05/24/25

WORK ORDERED

<u>Component Group</u>	<u>Work Ordered Notes</u>	<u>Work Order Status</u>
OPEN STATUS:		
HYD.CYL. Hydraulic cylinders Warranty Status: No, not applicable	INSTALL PREVIOUSLY PURCHASED HYDRAULIC LINES ALONG BOOM CYLINDER	Open <input type="checkbox"/>
SERVICES All components Warranty Status: No, not applicable	CHARGE AND BOOST BATTERIES	Open <input type="checkbox"/>

PURCHASE ORDERS

<u>Purchase order</u>	<u>Vendor</u>	<u>Item</u>	<u>U/M</u>	<u>Quantity</u> <u>Ordered</u>	<u>Due</u>	<u>Delivery</u> <u>Date</u>
QUANTITY RECEIVED/CLOSED:						
35695	2333	!CONTRACT MECH HOURS		1.00	0.00	04/15/25

PARTS USED

<u>Date</u>	<u>Item</u>	<u>Bin Location</u>	<u>U/M</u>	<u>Quantity</u>	<u>Part Note</u>
A/P:					
04/25/25	!CONTRACT MECH			1.00	HOURS

NOTES

TOPIC NOTES:
April, 15/2025 - Bronson

John Deere 3156 hours 12566 unit 446
re re boom cylinder pipe
remove mcv components to expose pipe route
replace with new pipe and o-rings
reverse steps until machine is restored
charge boost batteries
5hr

OTHER OPEN WORK ORDERS

<u>Work Order</u>	<u>Description</u>	<u>Problem Type</u>	<u>Mechanic</u>	<u>Order Date</u>	2013
2013	Inspect and repair (prep for job)Brandt & Derek	CAP REP	Derek	07/26/24	
3470	LENGTH MEASURING PARTS REPLACEMENT + DOOR PARTS	INSIDE	BRANDT - ROGER	07/28/25	
4325	NO START + BATTERIES + JOB PREP	INSIDE	KEVIN	11/25/25	
4337	HYD LEAK	OUTSIDE	KEVIN/ROGER	11/27/25	

Authorized By: _____
 Signature and Date

Mechanic: _____
 Signature and Date

Additional Parts Required:

Mechanics Completion Notes:



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EQUIPMENT WORK ORDER 3470

Equipment: 446 17 JOHN DEERE 3156G 3156G Processor

Serial #: 1FF3156GHHD316035

Repair Status: COMPLETE

Order Date: 07/28/25

Current location: MUR CL-0389 (18-MC26-CL-B CNRL Karr)

Mechanic: BRANDT - ROGER

Required Date:

W.O. Status: Closed

Problem Type: INSIDE

Start Date: 07/28/25

Priority: 9

Problem Cause: WEAR

Finish Date: 08/16/25

Reported By:

Return to Service: 09/17/25

Contact Name:

Closed Date: 09/17/25

WORK ORDERED

<u>Component Group</u>	<u>Work Ordered Notes</u>	<u>Work Order Status</u>
OPEN STATUS:		
SERVICES All components Warranty Status: No, not applicable	INSTALL MISSING LENGTH MEASURING PARTS FROBBED FOR UNIT #441	Open <input type="checkbox"/>

PURCHASE ORDERS

<u>Purchase order</u>	<u>Vendor</u>	<u>Item</u>	<u>U/M</u>	<u>Ordered</u>	<u>Quantity</u>	<u>Due</u>	<u>Delivery Date</u>
QUANTITY RECEIVED/CLOSED:							
37410	1112	!FIELD MECHANIC			1.00	0.00	

PARTS USED

<u>Date</u>	<u>Item</u>	<u>Bin Location</u>	<u>U/M</u>	<u>Quantity</u>	<u>Part Note</u>
A/P:					
08/07/25	!FIELD MECHANIC			0.00	

NOTES

TOPIC NOTES:

July, 28/2025 - Roger

Install missing pieces robbed from 446 for 441. PO#37239

OTHER OPEN WORK ORDERS

<u>Work Order</u>	<u>Description</u>	<u>Problem Type</u>	<u>Mechanic</u>	<u>Order Date</u>	2013
2013	Inspect and repair (prep for job)Brandt & Derek	CAP REP	Derek	07/26/24	
2930	HYD LINES/BOOST BATTERIES	INSIDE	BRONSON	04/15/25	
4325	NO START + BATTERIES + JOB PREP	INSIDE	KEVIN	11/25/25	
4337	HYD LEAK	OUTSIDE	KEVIN/ROGER	11/27/25	

Authorized By: _____
Signature and Date

Mechanic: _____
Signature and Date

Additional Parts Required:

Mechanics Completion Notes:



Mur-Cal Services Ltd.
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EQUIPMENT WORK ORDER 4325

Equipment: 446 17 JOHN DEERE 3156G 3156G Processor

Serial #: 1FF3156GHHD316035

Repair Status: COMPLETE

Order Date: 11/25/25

Current location: MUR CL-0389 (18-MC26-CL-B CNRL Karr)

Mechanic: KEVIN

Required Date: 11/26/25

W.O. Status: Closed

Problem Type: INSIDE

Start Date: 11/25/25

Priority: 9

Problem Cause: SERVICE

Finish Date: 11/26/25

Reported By:

Return to Service: 11/27/25

Contact Name:

Closed Date: 12/07/25

WORK ORDERED

<u>Component Group</u>	<u>Work Ordered Notes</u>	<u>Work Order Status</u>
OPEN STATUS:		
ELECTRICAL batteries	NO START - REPLACE BATTERIES	Open <input type="checkbox"/>
Warranty Status: No, not applicable		
SERVICES All components	JOB PREP CHECK OVER	Open <input type="checkbox"/>
Warranty Status: No, not applicable		

PARTS USED

<u>Date</u>	<u>Item</u>	<u>Bin Location</u>	<u>U/M</u>	<u>Quantity</u>	<u>Part Note</u>
Inventory:					
11/25/25	153-5710 4D MAINTENANCE FREE 12V	T06-02		-2.00	

OTHER OPEN WORK ORDERS

<u>Work Order</u>	<u>Description</u>	<u>Problem Type</u>	<u>Mechanic</u>	<u>Order Date</u>	2013
2013	Inspect and repair (prep for job)Brandt & Derek	CAP REP	Derek	07/26/24	
2930	HYD LINES/BOOST BATTERIES	INSIDE	BRONSON	04/15/25	
3470	LENGTH MEASURING PARTS REPLACEMENT + DOOR PARTS	INSIDE	BRANDT - ROGER	07/28/25	
4337	HYD LEAK	OUTSIDE	KEVIN/ROGER	11/27/25	

Authorized By: _____
Signature and Date

Mechanic: _____
Signature and Date

Additional Parts Required:

Mechanics Completion Notes:



Mur-Cal Services Ltd.
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EQUIPMENT WORK ORDER 4337

Equipment: 446 17 JOHN DEERE 3156G 3156G Processor

Serial #: 1FF3156GHHD316035

Repair Status: COMPLETE

Order Date: 11/27/25

Current location: MUR CL-0389 (18-MC26-CL-B CNRL Karr)

Mechanic: KEVIN/ROGER

Required Date: 12/15/25

W.O. Status: Closed

Problem Type: OUTSIDE

Start Date: 11/27/25

Priority: 9

Problem Cause: WEAR

Finish Date: 12/15/25

Reported By:

Return to Service: 12/15/25

Contact Name:

Closed Date: 01/15/26

WORK ORDERED

<u>Component Group</u>	<u>Work Ordered Notes</u>	<u>Work Order Status</u>
OPEN STATUS:		
HYDRAULICS Hoses leaks misc repairs	HYDRAULIC LEAK - DIAGNOSE AND REPAIR	Open <input type="checkbox"/>
Warranty Status: No, not applicable		

PURCHASE ORDERS

<u>Purchase order</u>	<u>Vendor</u>	<u>Item</u>	<u>U/M</u>	<u>Ordered</u>	<u>Quantity</u>	<u>Due</u>	<u>Delivery Date</u>
QUANTITY RECEIVED/CLOSED:							
39467	1112	!BRANDT MECH HYD OIL LEAK REPAIRS - BRAND			1.00	0.00	

PARTS USED

<u>Date</u>	<u>Item</u>	<u>Bin Location</u>	<u>U/M</u>	<u>Quantity</u>	<u>Part Note</u>
A/P:					
11/28/25	!BRANDT MECH			0.00	HYD OIL LEAK REPAIRS - BRANDT MECH

NOTES

TOPIC NOTES:

SEE ATTACHMENTS FOR BRANDT MECHANIC SERVICE REPORT*

OTHER OPEN WORK ORDERS

<u>Work Order</u>	<u>Description</u>	<u>Problem Type</u>	<u>Mechanic</u>	<u>Order Date</u>	2013
2013	Inspect and repair (prep for job)Brandt & Derek	CAP REP	Derek	07/26/24	
2930	HYD LINES/BOOST BATTERIES	INSIDE	BRONSON	04/15/25	
3470	LENGTH MEASURING PARTS REPLACEMENT + DOOR PARTS	INSIDE	BRANDT - ROGER	07/28/25	
4325	NO START + BATTERIES + JOB PREP	INSIDE	KEVIN	11/25/25	

Authorized By: _____
Signature and Date

Mechanic: _____
Signature and Date

Additional Parts Required:

Mechanics Completion Notes:

Report Selections:					
Equipment code:	446	Priority:	ALL	From cost history date:	Inception
Equipment type:	ALL	Equipment status:	ALL	To cost history date:	02/13/26
Yard:	ALL	Work order status:	Open/Finished/Closed	From order date:	Inception
Area:	ALL	Equipment status types:	Active	To order date:	02/13/26
Work order:	ALL	Include work ordered info?:	No	From finished date:	Inception
Problem type:	ALL	Include costs not assigned to work order?:	No	To finished date:	02/13/26
Problem cause:	ALL	Cost group	ALL		

Mur-Cal Services Ltd.

Detail Equipment Work Order Cost Report by Equipment Code

Work Order	Tran Date	Cost Category	Description	Source	Related Code	Check # / Invoice #	Description	Hours	Quantity	Rate	Total Cost
Equipment: 446 3156G Processor											
2013	Inspect and repair (prep for job)Brandt & Derek										
	08/01/24	01	Repairs & Maint	PR	1254	E20382	Derek Greenlaw	8.00		53.00	429.17
	08/02/24	01	Repairs & Maint	PR	1254	E20382	Derek Greenlaw	8.00		53.00	429.17
	08/04/24	01	Repairs & Maint	IC					4.00	15.51	62.04
	08/06/24	01	Repairs & Maint	PR	1254	E20382	Derek Greenlaw	8.00		53.00	429.17
	08/07/24	01	Repairs & Maint	PR	1254	E20382	Derek Greenlaw	8.00		53.00	429.17
	08/08/24	01	Repairs & Maint	PR	1254	E20382	Derek Greenlaw	8.00		53.00	429.17
	08/09/24	01	Repairs & Maint	AP	1906	123990	Orbit Hydraulics(1988) Ltd.				13.80
	08/09/24	01	Repairs & Maint	IC					14.00	70.56	987.89
	08/09/24	01	Repairs & Maint	IC					1.00	121.83	121.83
	08/09/24	01	Repairs & Maint	IC					1.00	60.02	60.02
	08/09/24	01	Repairs & Maint	IC					1.00	647.72	647.72
	08/09/24	01	Repairs & Maint	IC					1.00	541.91	541.91
	08/09/24	01	Repairs & Maint	IC					1.00	12.31	12.31
	08/09/24	01	Repairs & Maint	IC					1.00	136.46	136.46
	08/09/24	01	Repairs & Maint	PR	1254	E20382	Derek Greenlaw	8.00		53.00	429.17
	08/12/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/12/24	01	Repairs & Maint	PR	1607	E20477	Josh Hickson	8.00		52.00	421.08
	08/12/24	01	Repairs & Maint	PR	1607	E20477	Josh Hickson	3.00		78.00	235.90
	08/13/24	01	Repairs & Maint	AP	1047	051-300336	Gregg Distributors(GP)				385.76
	08/13/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/13/24	01	Repairs & Maint	PR	1607	E20477	Josh Hickson	1.00		52.00	52.63
	08/13/24	01	Repairs & Maint	PR	1607	E20477	Josh Hickson	4.00		78.00	314.54
	08/14/24	01	Repairs & Maint	AP	1522	1384739	Resource Purchasing & Supply				907.16
	08/14/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/15/24	01	Repairs & Maint	AP	1205	930236	Millwright Machine Corp.				353.88
	08/15/24	01	Repairs & Maint	AP	1047	013-299291	Gregg Distributors(GP)				2,707.83
	08/15/24	01	Repairs & Maint	AP	1522	1385276	Resource Purchasing & Supply				522.75
	08/15/24	01	Repairs & Maint	AP	1522	1385377	Resource Purchasing & Supply				70.61

Mur-Cal Services Ltd.
Detail Equipment Work Order Cost Report by Equipment Code

Work Order	Tran Date	Cost Category	Description	Source	Related Code	Check # / Invoice #	Description	Hours	Quantity	Rate	Total Cost
Equipment: 446 3156G Processor continued...											
2013	Inspect and repair (prep for job)Brandt & Derek continued...										
	08/15/24	01	Repairs & Maint	IC					1.00	33.58	33.58
	08/15/24	01	Repairs & Maint	IC					1.00	86.43	86.43
	08/15/24	01	Repairs & Maint	IC					1.00	38.36	38.36
	08/15/24	01	Repairs & Maint	IC					1.00	81.12	81.12
	08/15/24	01	Repairs & Maint	IC					1.00	47.22	47.22
	08/15/24	01	Repairs & Maint	IC					1.00	96.41	96.41
	08/15/24	01	Repairs & Maint	IC					1.00	67.13	67.13
	08/15/24	01	Repairs & Maint	IC					1.00	161.67	161.67
	08/15/24	01	Repairs & Maint	IC					3.00	51.62	154.88
	08/15/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/16/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/17/24	01	Repairs & Maint	AP	1112	4794364	Brandt Tractor Ltd.				424.74
	08/19/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/20/24	01	Repairs & Maint	AP	1205	930252	Millwright Machine Corp.				6,832.96
	08/20/24	01	Repairs & Maint	IC					1.00	8.36	8.36
	08/20/24	01	Repairs & Maint	PR	1254	E20471	Derek Greenlaw	8.00		53.00	429.17
	08/24/24	01	Repairs & Maint	PR	1749	E20470	Mario A Gomia	6.00		42.00	255.07
	08/24/24	01	Repairs & Maint	PR	1749	E20470	Mario A Gomia	2.00		63.00	127.02
	08/26/24	01	Repairs & Maint	IC					4.00	17.88	71.54
	08/26/24	01	Repairs & Maint	IC					3.00	8.71	26.15
	08/26/24	01	Repairs & Maint	IC					1.00	20.76	20.76
	08/26/24	01	Repairs & Maint	IC					2.00	8.71	17.43
	08/26/24	01	Repairs & Maint	IC					1.00	26.38	26.38
	08/26/24	01	Repairs & Maint	IC					1.00	43.08	43.08
	08/26/24	01	Repairs & Maint	IC					3.00	8.73	26.21
	08/26/24	01	Repairs & Maint	IC					1.00	22.64	22.64
	08/26/24	01	Repairs & Maint	IC					4.00	38.27	153.08
	08/26/24	01	Repairs & Maint	IC					4.00	7.52	30.08
	08/26/24	01	Repairs & Maint	IC					2.00	10.42	20.85
	08/28/24	01	Repairs & Maint	AP	1112	1795034	Brandt Tractor Ltd.				118,317.77
	07/23/25	01	Repairs & Maint	AP	1112	4712687	Brandt Tractor Ltd.				-1,789.23
Work Order 2013 Totals:								128.00			139,537.02
2930	HYD LINES/BOOST BATTERIES										
	04/25/25	01	Repairs & Maint	AP	2333	12	Bronson Mechanical Ltd.		1.00		475.00
Work Order 2930 Totals:								0.00			475.00
3470	LENGTH MEASURING PARTS REPLACEMENT + DOOR PARTS										
	08/07/25	01	Repairs & Maint	AP	1112	1799867	Brandt Tractor Ltd.				1,423.13
Work Order 3470 Totals:								0.00			1,423.13

Mur-Cal Services Ltd.
Detail Equipment Work Order Cost Report by Equipment Code

Work Order	Tran Date	Cost Category	Description	Source	Related Code	Check # / Invoice #	Description	Hours	Quantity	Rate	Total Cost	
Equipment Type:	PRO Processors continued...											
Equipment:	446 3156G Processor continued...											
4325	NO START + BATTERIES + JOB PREP											
	11/25/25	01	Repairs & Maint	IC					2.00	385.13	770.26	
	11/25/25	01	Repairs & Maint	PR	1049	E23458	Kevin Luchka	5.00		54.00	270.00	
Work Order 4325 Totals:								5.00				1,040.26
4337	HYD LEAK											
	11/28/25	01	Repairs & Maint	AP	1112	1701926	Brandt Tractor Ltd.				679.90	
Work Order 4337 Totals:								0.00				679.90
										Equipment 446 Total:	143,155.31	
Report totals:								133.00				143,155.31



Brandt Tractor Ltd.
700 2nd St.
Calgary, AB
T2C 5A7
(403) 532-3414

Service
Invoice



JOHN DEERE

SOLD TO:

MUR-CAL SERVICES LTD
MURRAY CALLIHOO
P.O. BOX 1308 Darryls
GRANDE PRAIRIE, AB T8E 6E1

INVOICE DATE	BRANCH	INVOICE NO.
28NOV25	07	1701926

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SALE TYPE	
CHARGE	
CUSTOMER NO.	78319421

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** PRELIMINARY **

UNIT 446

PURCHASE ORDER NO.		PHONE NUMBER		ORDER NO.		SEG.	DATE OPENED	SALESPRN	
		780-539-0		1701926		01	26NOV25		
MAKE	MODEL	SERIAL NO.		EQUIP. NO.	METER	AUTHORIZED BY			
JD	3156G	1FF3156GT		316250	446	12573 DARRYL/RODNEY			

DESCRIPTION	AMOUNT
DIAG/REPAIR FOR HYD LEAK	
COMPLAINT: REPAIR OIL LEAK ON CONTROL VALVE	
CAUSE: #16 FLANG O-RING FAULT	
CORRECTION: REMOVE COVER AND FLANG CLAMPS FOR P1 PUMP PRESSURE HOSE TO POOL SIDE OF CONTROL VALVE. REMOVE OLD O-RING AND INSTALL NEW ONE. REASSEMBLE AND ADD 3 PAILS OF HYD OIL. RUN AND CHECK FOR LEAKS=GOOD.	
* LABOR *	260.00
SE SERVICE ACCESSORIES	23.40
ENVIRONMENTAL FEE	2.60
>>--> SEG# 01 PRT	260.00
* TAX/HST *	14.30
TRAVEL	
CORRECTION: TRAVEL TO KM 2.5 WEST ACCESS TO MACHINE=3.90	
ENVIRONMENTAL FEE	3.90
TOTAL	286.00
	14.30
	390.00
	3.90

POSTED

PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUM). MINIM

I hereby authorize the above repair work to be done and my employees may operate above machine for purposes of repair. I will pay cash on delivery of machine or on terms satisfactory to me. It is understood that this company assumes no responsibility placed with them for storage, sales, repair or while field

X

SIGNATURE

DATE

QST # 1226957240

DESCRIPTION	AMOUNT
TOTAL PARTS	
TOTAL LABOR	
MISC. CHARGES	
SALES TAX	

PLEASE PAY
THIS TOTAL

CONTINUED

CUSTOMER COPY



E 1 Actor Ltd.
7 102nd St.
C 10th. AB
T 10
0 2-3414

Service Invoice



SOLD TO:

MUR-CAL SERVICES LTD
MURRAY CALLIHOO
P.O. BOX 1308 Darryls
GRANDE PRAIRIE, AB T8

INVOICE DATE	BRANCH	INVOICE NO.
28NOV25	07	1701926

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78319421

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** PRELIMINARY **

PURCHASE ORDER NO.		PHONE NUMBER
		780-539-00
MAKE	MODEL	SERIAL NO.
JD	3156G	1FF3156G

ORDER NO.	SEG.	DATE OPENED	SALESPRN
1701926	02	26NOV25	
EQUIP. NO.	METER	AUTHORIZED BY	
6250 446	12573	DARRYL/RODNEY	

					AMOUNT
>>-->	SEG# 02	PRT	LAB	390.00	MSC 3.90
TOTAL					393.90
GST *					19.70

* TOTAL GST 7 - GST No. 899544779 34.00

PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUUM). M

\$1.50.

I hereby authorize the above repair work to be done on
employees may operate above machine for purposes
pay cash on delivery of machine or on terms satisfactory
lien is acknowledged on above machine to secure the
It is understood that this company assumes no responsibility
placed with them for storage, sales, or while field

if necessary materials. You and your
on, or delivery at my risk. I agree to
until paid in full an express mechanics
there to.
or damage by theft or fire to machine

GST # 1226957240

DESCRIPTION	AMOUNT
TOTAL PARTS	0.00
TOTAL LABOR	650.00
MISC. CHARGES	29.90
SALES TAX	0.00
PLEASE PAY THIS TOTAL	713.90

X

SIGNATURE

DATE

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Brandt Tractor Ltd.
7301 102nd St.
Clairmont, AB
T8X 5A7
(780)532-3414

Service Invoice



JOHN DEERE

INVOICE DATE	BRANCH	INVOICE NO.
28AUG24	07	1795034

SOLD TO:

MUR-CAL SERVICES LTD
MURRAY CALLIHOO
P.O. BOX 1308
GRANDE PRAIRIE, AB T8V 4Z1

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SEE A/R NOTES

Unit 446

POSTED

PURCHASE ORDER NO.	PHONE NUMBER	WORK ORDER NO.	SEG.	DATE OPENED	SALESPRN
PO# 32136	780-539-0928	1795034	01	25JUL24	
MAKE	MODEL	SERIAL NO.	EQUIP. NO.	METER	AUTHORIZED BY
JD	3156G	1FF3156GHHD316035		12309	MIKE/RODNEY

DESCRIPTION						AMOUNT
REPAIR FOR HYDRAULIC PUMPS						
-REMOVE GUARDING AND COVERS, REMOVE EXHAUST AND CAP/PLUG/BAG HOSES						
-REMOVE PUMPS AND FLYWHEEL. R+R REAR SEAL. REINSTALL FLYWHEEL AND NEW COUPLING.						
-INSTALL PUMPS, SWAP FITTINGS. REASSEMBLE PANELS.						
-FILL HYDS AND BLEED PUMPS. REPLACE HYD FILTERS, REPLACE CASE DRAIN AND PRESSURE FILTER FOR WARATAH.						
-SET PQ TORQUE IN MPDR TO 26						
1	FYB60001698	PUMP	CY	41,647.82		41,647.82
*** STAGING ***						
08G3 JK						
1	RE520035	SEAL		132.80		132.80
6	R519262	SCREW		9.59		57.54
2	TH105684	O-RING		11.24		22.48
3	966993	O-RING		3.72		11.16
4	T77858	O-RING		4.93		19.72
STAGING 4 BRUCE						
* LABOR *						3,687.50
SERVICE ACCESSORIES						331.88
CARBON TAX SURCHARGE						73.75
>>--> SEG# 01 PRT 41,891.52 LAB 3,687.50 MSC 405.63 TOTAL						45,984.65
* GST/HST *						2,299.23

WARATAH REPAIR

- TILT UP AND LOCK HEAD. REMOVE AND REPLACE FEED ARM MOTORS.
- INSTALL FEED ARM MOTOR HOSES. REMOVE AND CLEAN UP FIXED

PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUM), MINIMUM CHARGE OF \$1.50.

I hereby authorize the above repair work to be done along with the use of necessary materials. You and your employees may operate above machine for purposes of testing, inspection, or delivery at my risk. I agree to pay cash on delivery of machine or on terms satisfactory with you and until paid in full an express mechanics lien is acknowledged on above machine to secure the amount for repairs thereto.

It is understood that this company assumes no responsibility for loss or damage by theft or fire to machine placed with them for storage, sales, repair or while field testing.

SIGNATURE

DATE

PLEASE PAY
THIS TOTAL

***CONTINUED**

CUSTOMER COPY



Brandt Tractor Ltd.
7301 102nd St.
Clairmont, AB
T8X 5A7
(780)532-3414

Service Invoice



INVOICE DATE	BRANCH	INVOICE NO.
28AUG24	07	1795034

SOLD TO:

MUR-CAL SERVICES LTD
MURRAY CALLIHOO
P.O. BOX 1308
GRANDE PRAIRIE, AB T8V 4Z1

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SALE TYPE
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SEE A/R NOTES

PURCHASE ORDER NO.	PHONE NUMBER	WORK ORDER NO.	SEG.	DATE OPENED	SALESPRN
PQ# 32136	780-539-0928	1795034	02	25JUL24	
MAKE	MODEL	SERIAL NO.	EQUIP. NO.	METER	AUTHORIZED BY
JD	3156G	1FF3156GHHD316035		12309	MIKE/RODNEY

DESCRIPTION				AMOUNT
1	WA128872	STOP, CY	48.97	48.97
2	19M9511	SCREWCY	5.44	10.88
1	WA116057	BUSHI	113.55	113.55
1	WA127978	BUSHIXY	109.97	109.97
2	WA100044	WASHE	.81	1.62
1	WA122494	PIN, CY	80.70	80.70
1	WA122218	RETAICY	25.55	25.55
2	WA100648	BOLT CY	2.09	4.18
1	WA135497	PIN (CY	85.10	85.10
4	WA131628	O-RINCY	1.04	4.16
2	R211791	O-RING CY	3.36	6.72
2	WA103303	BOLT CY	1.75	3.50
10	WA102244	LOCKW	1.24	12.40
STAGING 4 AS				
10	WA118925	BOLT XY	4.21	42.10
16	19M8564	SCREW	19.54	312.64
5	L53824	O-RING	5.65	28.25
^^SUB FOR WA114642				
2	F056018	PISTON	48.40	96.80
1	WA123599	PISTOCY	81.58	81.58
1	WA134518	10T S	450.53	450.53
*** STAGING ***				
1	F074717	SENSOR	777.74	777.74
* LABOR *				11,995.00
SERVICE ACCESSORIES			900.00	900.00
CARBON TAX SURCHARGE			239.90	239.90
>>--> SEG# 02 PRT 26,759.19 LAB11,995.00 MSC 1,139.90				TOTAL 39,894.09
* GST/HST *				1,994.70

PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUM), MINIMUM CHARGE OF \$1.50.

I hereby authorize the above repair work to be done along with the use of necessary materials. You and your employees may operate above machine for purposes of testing, inspection, or delivery at my risk. I agree to pay cash on delivery of machine or on terms satisfactory with you and until paid in full an express mechanics lien is acknowledged on above machine to secure the amount for repairs thereto. It is understood that this company assumes no responsibility for loss or damage by theft or fire to machine placed with them for storage, sales, repair or while field testing.

SIGNATURE

DATE

DESCRIPTION	AMOUNT
TOTAL PARTS	
TOTAL LABOR	
MISC. CHARGES	
SALES TAX	
PLEASE PAY THIS TOTAL	***CONTINUED***

CUSTOMER COPY



Brandt Tractor Ltd.
7301 102nd St.
Clairmont, AB
T8X 5A7
(780)532-3414

Service Invoice



INVOICE DATE	BRANCH	INVOICE NO.
28AUG24	07	1795034

SOLD TO:

MUR-CAL SERVICES LTD
MURRAY CALLIHOO
P.O. BOX 1308
GRANDE PRAIRIE, AB T8V 4Z1

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SALE TYPE
CHARGE
CUSTOMER NO.
78319421

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SEE A/R NOTES

PURCHASE ORDER NO.	PHONE NUMBER	WORK ORDER NO.	SEG.	DATE OPENED	SALESPRN
PO# 32136	780-539-0928	1795034	03	25JUL24	
MAKE	MODEL	SERIAL NO.	EQUIP. NO.	METER	AUTHORIZED BY
JD	3156G	1FF3156GHHD316035		12309	MIKE/RODNEY

DESCRIPTION				AMOUNT
UNDERCARRIAGE REPAIR				
-REMOVE ROCK GUARDS. REMOVE LOWER ROLLERS. CLEAN UP MOUNTING/CHASE THREADS WITH TAP				
-INSTALL AND TORQUE LOWER ROLLERS. SPLIT TRACKS AND REPLACE IDLERS. REPLACE MASTER LINKS BOTH RAILS.				
-REPLACE UPPER CARRIER ROLLERS, INSTALL AND TORQUE PADS FOR BOTH SIDES. INSTALL ROCK GUARDS				
*** STAGING ***				
OVERSIZE 3 SKIDS AS				
22	AT349831ITR	S/F RLR	438.14	9,639.08
16	7X2532	BOLT 20M	4.47	71.52
16	6V7742	NUT, FUL	.80	12.80
2	SI829	IDLER GR	1,062.49	2,124.98
8	6V4429	BOLT, 16	.75	6.00
8	3B4510	LOCKWASH	.23	1.84
72	6V9667	BOLT, 20	3.70	266.40
16	5P8248	WASHER,	.77	12.32
72	N231749	WASHER CY	4.11	295.92
72	J931855	SCREW CY	5.00	360.00
32	FFSB113420	WASHER CY	34.78	1,112.96
2	CR5926RLK	REPAIR L	668.04	1,336.08
Codi has line 34 P/U FOR MURCAL MIKE MJ 08/02/24				
LINE 30 STAGING 4 JK				
40	N231749	WASHER	8.36	334.40
* LABOR *				6,775.00
SERVICE ACCESSORIES				609.75
CARBON TAX SURCHARGE				135.50
>>--> SEG# 03 PRT 15,574.30 LAB 6,775.00 MSC 745.25 TOTAL 23,094.55				

PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUM). MINIMUM CHARGE OF \$1.50.

I hereby authorize the above repair work to be done along with the use of necessary materials. You and your employees may operate above machine for purposes of testing, inspection, or delivery at my risk. I agree to pay cash on delivery of machine or on terms satisfactory with you and until paid in full an express mechanics lien is acknowledged on above machine to secure the amount for repairs thereto. It is understood that this company assumes no responsibility for loss or damage by theft or fire to machine placed with them for storage, sales, repair or while field testing.

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SIGNATURE

DATE

QST # 1226957240

DESCRIPTION	AMOUNT
TOTAL PARTS	
TOTAL LABOR	
MISC. CHARGES	
SALES TAX	
PLEASE PAY THIS TOTAL	→ CONTINUED →

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Brandt Tractor Ltd.
7301 102nd St.
Clairmont, AB
T8X 5A7
(780)532-3414

Service Invoice



JOHN DEERE

INVOICE DATE	BRANCH	INVOICE NO.
28AUG24	07	1795034

SOLD TO:

MUR-CAL SERVICES LTD
MURRAY CALLIHOO
P.O. BOX 1308
GRANDE PRAIRIE, AB T8V 4Z1

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SALE TYPE
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78319421

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SEE A/R NOTES

PURCHASE ORDER NO.	PHONE NUMBER	WORK ORDER NO.	SEG.	DATE OPENED	SALESPRN
PO# 32136	780-539-0928	1795034	03	25JUL24	
MAKE	MODEL	SERIAL NO.	EQUIP. NO.	METER	AUTHORIZED BY
JD	3156G	1FF3156GHHD316035		12309	MIKE/RODNEY

DESCRIPTION	AMOUNT
* GST/HST *	1,154.73
MACHINE REPAIR	
-SERVICE SWING BOX, FINAL DRIVES. REMOVE STICK CYLINDER AND WRAP HOSES WITH GUARDING	
-GREASE UNIT, REPAIR REMOTE GREASE LINES, TENSION TRACK. CHECK LIGHTS AND FOUND FRONT ATTACHMENT LIGHTS NOT WORKING. ALC IS NOT SHOWING IN S.A.	
-FOLLOW SCHEMATICS AND CHECK FOR POWER AT CONNECTORS ECT. FOUND DAMAGED WIRES IN X402, REPLACE PIN A AND RECONNECT TO HARNESS.	
-NOW HAVE SWITCHED ND BATTERY POWER TO A17 ALC CONTROLLER AND IT WORKS PROPERLY.	
-INSTALL AND BLEED AIR FROM STICK CYLINDER. TOP UP HYD OIL. SET UP THE WARATAH HEAD. IT IS MISSING THE ACCUMULATOR.	
-GOT A CALL BACK FROM JUSTIN DRAKE, HEAD DOES NOT REQUIRE THE ACCUMULATOR NOW.	
-INSTALL FIRE EXTINGUISHER	
* LABOR *	8,032.50
SERVICE ACCESSORIES	722.93
CARBON TAX SURCHARGE	160.65
>>--> SEG# 04 PRT .00 LAB 8,032.50 MSC 883.58 TOTAL	8,916.08
* GST/HST *	445.80
TRAVEL	
TRAVEL TO SITE NORTH WEST OF WEBSTER HALL-32KM X 2	
* LABOR *	420.00
PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUAL), MINIMUM CHARGE OF \$1.50.	
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SIGNATURE	DATE
TOTAL PARTS	
TOTAL LABOR	
MISC. CHARGES	
SALES TAX	
PLEASE PAY THIS TOTAL	**CONTINUED**

CUSTOMER COPY



Brandt Tractor Ltd.
7301 102nd St.
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T8X 5A7
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CUSTOMER NO.
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INVOICE DATE	BRANCH	INVOICE NO.
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SEE A/R NOTES

PURCHASE ORDER NO.	PHONE NUMBER	WORK ORDER NO.	SEG.	DATE OPENED	SALESPRN
PO# 32136	780-539-0928	1795034	05	16AUG24	
MAKE	MODEL	SERIAL NO.	EQUIP. NO.	METER	AUTHORIZED BY
JD	3156G	1FF3156GHHD316035		12309	MIKE/RODNEY

DESCRIPTION	AMOUNT
CARBON TAX SURCHARGE	8.40
>>--> SEG# 05 PRT .00 LAB 420.00 MSC 8.40 TOTAL	428.40
* GST/HST *	21.42
* TOTAL GST/HST * - GST No. 899544779	5,915.88

PAST DUE INTEREST 1 1/2% PER MONTH (18% ANNUM). MINIMUM CHARGE OF \$1.50.

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X

SIGNATURE

DATE

DESCRIPTION	AMOUNT
TOTAL PARTS	84,225.01
TOTAL LABOR	30,910.00
MISC. CHARGES	3,182.76
SALES TAX	0.00
PLEASE PAY THIS TOTAL	124,233.65

CUSTOMER COPY



15602-91 Street
Grande Prairie, AB T8V 2N8

Phone (780) 402-7111 or (780) 402-9686
Fax (780) 402-9773

SERVICE INVOICE 930236

Date Out: August 15, 2024

Purchase Order No. 32379

Unit No. 446

complete machine shop services

Bill To:

Mur-Cal Services Ltd
PO Box 1308
Grande Prairie, AB
T8V 4Z1

Phone: (780)539-0928
Fax: (780)539-0927

Work Requested By Phone #
Mike (780)539-0928

Customer Instructions

make spacer as per sample

Work Performed

picked up by Mike Aug 9

POSTED

Labour

Hours	Machine/Task	Labour Type	Rate	Total
2	general machining	reg time	\$165.00	\$330.00

Materials

Qty	Part Number	Part Description	Additional Info	Net Cost	Units	Total
4		1" X 2" FLAT BAR MILD STEEL	4" long	\$1.02	INCH	\$4.08

Date In 09-Aug-24

THIS COMPANY DOES NOT ASSUME
RESPONSIBILITY FOR PARTS LEFT FOR STORAGE
OVER 30 DAYS

Date Out 15-Aug-24

Signature

ANY DISAGREEMENT WITH THIS
INVOICE MUST BE BROUGHT TO
OUR ATTENTION BY Aug 29,24 IN
ORDER TO BE CONSIDERED,
THANK YOU.

X

Service Invoice 930236

Total Labor	\$330.00
Total Parts	\$4.08
Shop Supplies	\$19.80
Subtotal	\$353.88
G.S.T.	\$17.69

GST # 876501701

Total Due on or Before Sep 14, 2024 \$371.57

Payment

Please Pay From Service Invoice (This Copy) - No Statement Will Be Issued

TERMS: Cash or Cheque. On approved credit: 2% per month (24% per annum) will be charged on invoices not paid within 30 days of date out.

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Page 1 of 1