



901 West 94th Street
Minneapolis MN 55420-4236



Minnesota 800-352-2812
Iowa 800-342-7002
Missouri 800-342-7002
Wisconsin 800-342-7002

Service Invoice

Invoice SI000345391
Date 6/16/2023
Call Number SC00416763
Location St. Cloud
Page 1 / 5

Sold to: NELSONS OF DARWIN
69290 210TH ST
DARWIN, MN 55324-6607

Ship to 69290 210TH ST
DARWIN, MN 55324-6607

Invoice Account

0457320

Payment

Cash On Delivery

Due Date

6/16/2023

Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745.00

Summary

Parts	1,770.09
Labor	4,272.50
Misc	-131.69

Sales Tax Summary

MINNESOTA STATE SALES TAX 6.875% 125.87

Parts, Labor and Misc 5,910.90

Flat Rate Total 0.00

Subtotal 5,910.90

Shop Supplies and
Environmental Fees 192.27

Subtotal 6,103.17

Sales Tax 125.87

Total \$ 6,229.04

NELSONS OF DARWIN
69290 210TH ST
DARWIN, MN 55324-6607

Invoice
Date
Account

SI000345391
6/16/2023
0457320

Please Remit to:

Ziegler Inc.
SDS 12-0436
PO BOX 86
MINNEAPOLIS, MN 55486-0436

Amount Due:

\$6,229.04

Amount Enclosed:

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SC00416763-001 Replace - Turbocharger Customer complaint: The turbo waste gate would not open. Repair process comments: Customer bought in a new turbo. Removed the intake and exhaust and oil lines. Removed the old turbo. Found a hole in the intake boot to engine and the waste gate hose. Cleaned up mountings. Installed new turbo with new gaskets that were supplied. Installed new intake boot. Prelubed turbo and installed oil lines. Installed exhaust and intake piping. Started and ran engine and checked operation and for leaks all ok.				
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Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
		Labor	Labor		841.50
1.00	Misc	OWM - PARTS	intake tube	30.32	30.32
1.00	Misc	OWM - FREIGHT	freight	15.00	15.00

SC00416763-001			Replace - Turbocharger		
			Parts		
			Labor		841.50
			Misc		45.32
			Segment Subtotal:		886.82

SC00416763-002 Clean & Inspect - Hydraulic Hoses/Lines - For Leaks Customer complaint: Troubleshoot oil leak Repair process comments: Steam cleaned off hydro pump area. Ran machine and warmed it up. Checked for any leaks and found no oil leaks. Let machine sit in shop during other repairs and seen no oil leaks then either. Found the bottom of the radiator had small leak by the welded on mount.				
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Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
		Labor	Labor		208.00

SC00416763-002			Clean & Inspect - Hydraulic Hoses/Lines - For Leaks		
			Parts		
			Labor		208.00
			Misc		
			Segment Subtotal:		208.00

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SC00416763-003 Replace - Axle Spring - Pin

Customer complaint: Spring mount is cracked on back right side of machine.
Repair process comments: Removed spring mount. Some of the bolts were rusted tight and had a hard time getting them loose and with all of the hoses running through there could not heat them up the way I wanted to. Got all the bolts out and the spring pin came out half way and got stuck in the bore. Had to cut the old pin out in order to get the mount removed. Ground out crack on both sides and welded. Cleaned spatter and painted. Reinstalled spring mounting bracket with all new hardware and tightened.

Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
7.00	Parts	AG609313 - 200	HEX FLANGE NUT-5/8"-	2.95	20.65
11.00	Parts	AG609314 - 200	HEX. FLANGE BOLT-5/8	6.09	66.99
1.00	Parts	597746D1 - 200	SHACKLE PIN-25.34MM	83.67	83.67
	Labor		Labor		2,381.50

SC00416763-003 Replace - Axle Spring - Pin

Parts	171.31
Labor	2,381.50
Misc	
Segment Subtotal:	2,552.81

SC00416763-004 Replace - Liquid System - Bolt(s)

Customer complaint: The bolts that hold the product tank on the back are loose.
Repair process comments: Removed the old bolts. Installed and tightened the new bolts.

Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
4.00	Parts	704031 - 200	HEX NUT-1/2-13, GR5	0.95	3.80
2.00	Parts	AG514554 - 200	FLAT WASHER-1/2", GR	0.99	1.98
2.00	Parts	40651PF - 200	HEX CAP SCREW-1/2"-1	1.94	3.88
	Labor		Labor		76.50

SC00416763-004 Replace - Liquid System - Bolt(s)

Parts	9.66
Labor	76.50
Misc	
Segment Subtotal:	86.16

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SC00416763-005 Replace - Tilt Cylinder				
Customer complaint: oil leak on boom tilt cylinders, both sides				
Resultant damage: oil leak				
Cause of failure: seals leaking				
Repair process comments: Removed hose and capped. Removed pins from ends of cylinders. Swapped fittings to new cylinders with new seals and installed. Hooked up hoses. Ran and checked for leaks. ok				

Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
2.00	Parts	552940D1 - 200	HYD CYLINDER-2.5X12.	789.04	1,578.08
4.00	Parts	3K0360	Seal	1.46	5.84
4.00	Parts	3J1907	Seal	1.30	5.20
	Labor		Labor		459.00

SC00416763-005 Replace - Tilt Cylinder			Parts	1,589.12
			Labor	459.00
			Misc	
			Segment Subtotal:	2,048.12

SC00416763-006 Wire - Tachometer				
Customer complaint: The display did not read out any engine RPM's				
Cause of failure: Wires were corroded and shorted out in plug.				
Repair process comments: Looked over system and wiring. Found the wiring out of the RPM signal module were corroded and all shorted together. Looked up new part and there was none available. Decided to try and repair the wiring and see if it would still work. Fixed the wiring and installed a new plug. Ran and checked operation and the display now reads RPM's.				

Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
	Labor		Labor		306.00

SC00416763-006 Wire - Tachometer			Parts	
			Labor	306.00
			Misc	
			Segment Subtotal:	306.00

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SC00416763-007 Apply - Promotion

Customer PO	Customer EQ	Model	Serial Number	Equipment ID	Segment SMU
		RG854	850417701	CU0148714	4,745
Quantity	Type	Part Number	Description	Unit Price	Amount
-1.00	Misc	DAG	MISC DISC PARTS	177.01	-177.01

SC00416763-007 Apply - Promotion				Parts	
				Labor	
				Misc	-177.01
				Segment Subtotal:	-177.01