

Northern Trailer and Truck
 2210 - 19 Avenue
 Wainwright, AB T9W 1L2, CA
 northerntrailerandtrucksales@gmail.com
 780-842-0080



Invoice: 11366
 Date: 6/25/2024

Bill To
 Cutting Edge Ventures
 Box 2909
 Wainwright, AB T9W 1S8, CA
 P: 780-842-0624

ENTERED

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
6946	COD	6/25/2024	Bill Plaxton		Cornish, Shane	23

Item	Description	Quantity	Rate	Amount
PM: CVIP Trailer 3 Axle Air Brakes - Wheels On - CV8128768				
Cause: Customer request Type: Preventive maintenance				
(PM)				
Labor	Correction: Semi Trailer / PM Inspection and Maintenance / Trailer 3 Axle Air Brake CVIP as per Record of Inspection R&R Wheels and drums, Measure, Record and Inspect Drum Thickness, shoe thickness and S cams and bushing wear Install Drums, Wheels and torque to OEM Specification - Completed: 6/24/2024	3.00000	\$130.00	\$390.00
				Subtotal \$390.00

Complaint: REQUIRED - Tire Repairs
 1. #2RH inner flat, uneven tread wear/flat spots
 2. #1RH outer tire has flat spots

Cause: Worn **Type:** Preventive maintenance
 (Inspection)

Labor	Correction: Semi Trailer / Wheels and Tires - Tire and Rim / Air Inflation Systems / REQUIRED - Tire Repairs	0.00000	\$0.00
<ol style="list-style-type: none"> #2RH inner flat, uneven tread wear/flat spots #1RH outer tire has flat spots - Customer took to tire shop to have repairs completed - Completed: 6/24/2024			
Subtotal \$0.00			

Unit: 23 VIN: 2N9FG4030JE065372	Labor	\$390.00
License Plate: 5TW600	Shop Supplies	\$23.40
2018 Peak WBoy	Pre-Charge Subtotal	\$413.40
Truck Chassis: 91,119 Kilometers	GST (5% of \$413.40)	\$20.67
	Total	\$434.07
	Payments & Credits	\$0.00
	Balance Due	\$434.07

WE ACCEPT DEBIT AND CREDIT CARD PAYMENT

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Invoice: 8433
 Date: 6/2/2023

Bill To
 Cutting Edge Ventures
 Box 2909
 Wainwright, AB T9W 1S8, CA
 P: 780-842-0624

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
5292	COD	6/2/2023			Cornish, Shane	23

Item	Description	Quantity	Rate	Amount
PM: CVIP Trailer 3 Axle Air Brakes				
Cause: Customer request				
(PM)				
Labor	Correction: Semi Trailer / PM Inspection and Maintenance / Trailer 3 Axle Air Brake CVIP as per Record of Inspection R&R Wheels and drums, Measure, Record and Inspect Drum Thickness, shoe thickness and S cams and bushing wear Install Drums, Wheels and torque to OEM Specification - Completed: 6/1/2023	3.50000	\$125.00	\$437.50
Parts	Chevron Delo Starplex EP2 Grease - 25911810-1TUBE	1.00000	\$6.99	\$6.99
			Subtotal	\$444.49

Complaint: Required.

ABS light stays on

Cause: Customer request

Labor	Correction: Semi Trailer / ABS Sensors, Wiring and Modules / SID 4 FMI 5 sensor or cable damaged - Completed: 5/31/2023	0.30000	\$135.00	\$40.50
Parts	Scanner Fee - Scanner Fee	1.00000	\$125.00	\$125.00
			Subtotal	\$165.50

Complaint: ABS Fault Code Will Not Clear - Requires Further Diagnose and Repair

Cause: Dirty sensor plug

(Procedure)

Labor	Correction: Semi Trailer / ABS Sensors, Wiring and Modules / Found pins dirty & cleaned the pins. Tested voltage to sensor, 4.95v Tested resistance of sensor, 1.160k ohms Tested out put of sensor 2v. Plugged sensor in & cleared codes. Light comes on & go's out & stays out now.	2.00000	\$125.00	\$250.00
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When trailer pulled out the ABS light came on.

Scanned ABS again & found no active codes.

On investigation it was found that where the ABS sensors connected to the ECU where touching the crossmember above them.

It appears that the harness bouncing into the crossmember was the cause of the faults.

Lowered with spacers the airtank so the harness could not bounce on the crossmember.

Test drove the trailer. - Completed: 5/31/2023

Item	Description	Quantity	Rate	Amount
Parts	3/8" x 2" Grade 8 Bolt - 079-496	4.00000	\$0.75	\$3.00
Parts	3/8" Flat Washer - 101-118	8.00000	\$0.20	\$1.60
Parts	3/8" Nylon Lock Nut - 108-018	4.00000	\$0.20	\$0.80
Parts	1/2" Hex Nut - 091-022	4.00000	\$0.39	\$1.56
Parts	15" Black Cable Tie - 83-6029	4.00000	\$0.30	\$1.20
			Subtotal	\$258.16

Complaint: Required.

Light repairs.

1. RH license plate light is broken.

2. LH front swing out arm rear light dim.

Cause: Unknown

(Inspection)

Labor	Correction: Semi Trailer / Lights and Electrical Wiring / 1. Replace light. Installed new light.	0.80000	\$125.00	\$100.00
	2. Diagnose & repair. Light died replace light Had to drill & grind out the hole for the wiring so that the pigtail would sit in the hole allowing the light to fit into it's bracket.			
	Tested lights - Completed: 5/31/2023			
Parts	Blue Heat Shrink Butt Connector - 83-2350-1	2.00000	\$0.90	\$1.80
Parts	2.5" Amber LED Marker Light - FBC-LED2500-13AP	1.00000	\$6.95	\$6.95
Parts	License Light (Short) - 15208	1.00000	\$6.64	\$6.64
			Subtotal	\$115.39

Complaint: Required.

Spring brake valve dumps air from tank out of gladhand

Cause: Spring brake valve not working

(Inspection)

Labor	Correction: Semi Trailer / Air Brake System Components - Lines/Fittings/Valves / Replace spring brake valve Removed & replaced valve. Tested operation of valve. - Completed: 5/31/2023	1.00000	\$125.00	\$125.00
Parts	Spring Brake Valve Sealco - FBC-110700	1.00000	\$118.90	\$118.90
			Subtotal	\$243.90

Complaint: Recommend.

Hub plugs leaking on #1 RH, #2 RH & #1 LH

Cause: worn.

(Inspection)

Labor	Correction: Semi Trailer / Wheel End and Axle Assembly - Dustshield / Spindles /Hubs / Wheel Studs / Bearings & Seals / Hubcap / Clean hub caps & check for cracks in lens. Replaced hub plugs, no cracks found in lenses - Completed: 5/31/2023	0.15000	\$125.00	\$18.75
Parts	Vent Plug - 359-5990	3.00000	\$6.57	\$19.71
			Subtotal	\$38.46

Complaint: Recommend.

LH single lift airbag has a hole in it

Cause: Unknown

(Inspection)

Item	Description	Quantity	Rate	Amount
Labor	Correction: Semi Trailer / Auxiliary System - Specialized Equipment On Trailer Not related to Chassis / Replace airbag Removed airbag, air fitting was seized in & rounded off preventing removal of fitting. Installed airbag with new fitting. Tested operation of airbag checking for leaks. - Completed: 6/1/2023	0.80000	\$125.00	\$100.00
Parts	Lift Axle Airbag - SP 557145	1.00000	\$170.87485	\$170.87
Parts	3/8F-1/4M Bushing - 120-CB	1.00000	\$2.25	\$2.25
Parts	3/8F-1/4M Bushing - 120-CB	1.00000	\$2.25	\$2.25
Parts	90° Elbow 3/8" T x 3/8" MPT Swivel - PC1469SW-6C	1.00000	\$13.60027	\$13.60
			Subtotal	\$288.97

Complaint: Required.

Door for suspension control valves latch is broken

Cause: broken

(Inspection)

Labor	Correction: Semi Trailer / Air Suspension Components - Height Control Valve and Linkage/ PP Valve/ Air Bag/ Shocks / Install latch Removed old latch & installed new - Completed: 5/31/2023	0.15000	\$125.00	\$18.75
Parts	Mini Rubber Hood Latch - WJ-202	1.00000	\$9.28352	\$9.28
			Subtotal	\$28.03

Complaint: Required.

Clean rims.

Cause: dirty

(Inspection)

Labor	Correction: Semi Trailer / Wheels and Tires - Tire and Rim / Air Inflation Systems / Clean rims. Cleaned all rims - Completed: 5/31/2023	0.30000	\$125.00	\$37.50
			Subtotal	\$37.50

Complaint: Required.

Tire repairs.

1. #1 LH cords exposed.
2. #1 RH below minimum specification for tread

Cause: worn

(Inspection)

Labor	Correction: Semi Trailer / Wheels and Tires - Tire and Rim / Air Inflation Systems / Replace tires Integra Tire picked up tires - Completed: 6/1/2023	0.00000	\$0.00	
			Subtotal	\$0.00

Complaint: Required.

Brake repairs.

1. All drums worn out.
2. #1 RH shoes tapered due to pins.
3. #1 LH shoes tapered due to pins.
4. #2 LH shoes tapered due to pins.
5. #3 LH shoes tapered due to pins.
6. #3 RH shoes worn out.

Cause: Worn

(Inspection)

Item	Description	Quantity	Rate	Amount
Labor	Correction: Semi Trailer / Air Brake Mechanical Systems - Drums/ Shoes/ S Cams/ Slack Adjusters / Brake Chamber / Replace all drums. Replaced drums. Replace worn & tapered shoes. Replaced all shoes & anchor pins. - Completed: 5/31/2023	2.00000	\$125.00	\$250.00
Parts	4707 Brake Shoe Kit with Hardware - KIT5503BH23S	5.00000	\$69.50	\$347.50
Parts	3600A Brake Drum 16.5 X 7 - 93600	6.00000	\$134.50	\$807.00
			Subtotal	\$1,404.50

Complaint: Required.

Lvl2 wheel seal leaks on #2LH, #3LH & #3RH

Cause: Customer request

Labor	Correction: Semi Trailer / Wheel End and Axle Assembly - Dustshield / Spindles /Hubs / Wheel Studs / Bearings & Seals / Hubcap / Removed hubs cleaned & inspected bearings. Installed hubs with new seals & set to specification. - Completed: 6/1/2023	3.60000	\$125.00	\$450.00
Parts	Hub Gasket - 330-3009	3.00000	\$2.50	\$7.50
Parts	75W90 Syn. Gear 18.9L Lucas - 10072	3.00000	\$15.99	\$47.97
Parts	Stemco Wheel Seal - 372-7097	3.00000	\$51.50	\$154.50
			Subtotal	\$659.97

Unit: 23 VIN: 2N9FG4030JE065372

Labor \$1,828.00

License Plate: 5TW600

Parts \$1,856.87

2018 Peak WBoy

Shop Supplies \$107.25

Truck Chassis: 70,685 Kilometers

Pre-Charge Subtotal \$3,792.12

GST
(5.0000% of \$3,792.12) \$189.61

Total \$3,981.73

Payments & Credits \$0.00

Balance Due \$3,981.73

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Invoice: 5886
 Date: 5/6/2022

Bill To
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Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
3785	COD	5/6/2022	Brent Woodward		Cornish, Megan	23

Item	Description	Quantity	Rate	Amount
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PM: CVIP Trailer 3 Axle Air Brakes

Cause: Customer request

(PM)

Labor	Correction: Semi Trailer / Inspection / Trailer 3 Axle Air Brake CVIP as per Record of Inspection R&R Wheels and drums, Measure, Record and Inspect Drum Thickness, shoe thickness and S cams and bushing wear Install Drums, Wheels and torque to OEM Specification - 5/6/2022	2.60000	\$123.00	\$319.80
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Subtotal \$319.80

Complaint: ABS fault

Cause: Unknown

(Inspection)

Labor	Correction: Semi Trailer / ABS / ABS fault. - Scan codes. - Repair as required. - Scanned unit and found YE1 sensor low or open circuit. - Tested sensors and extensions. - Found LH extension has internal intermittent short. - Replace extension. - Cleared fault codes. - 5/6/2022	1.00000	\$123.00	\$123.00
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Parts ABS SENSOR EXTENSION 9' - 577.A7130300

1.00000 \$21.75 \$21.75

Parts 15" Black Cable Tie - 83-6029

4.00000 \$0.30 \$1.20

Subtotal \$145.95

Complaint: Lamp repairs

Cause: Unknown

(Inspection)

Labor	Correction: Semi Trailer / Lights and Electrical / Lamp repairs - Front left pull out rear facing lamp not working. - Removed lamp and found lamp not plugged in. - Rear strobe lamps not working. - Removed lamps to check wiring. - Found corroded wiring on both left and right lamps. - Repaired wiring with heat shrink connectors. - Strobe still not working. - Checked junction box wiring. OK - Checked wiring at switch.	1.20000	\$123.00	\$147.60
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Item	Description	Quantity	Rate	Amount
	- Found switch was bad, also had corroded wire at switch. - Replaced switch. - Strobe lamps now work.			
	- LH midship marker/turn intermittent fault on marker circuit. - Removed lamp to check pigtail. - Found bad connection at pigtail. - Reinstalled lamp. - 5/9/2022			
Parts	3 way switch - 9434-BP	1.00000	\$16.65033	\$16.65
Parts	PIGTAIL 2 PIN - FBC-94902	1.00000	\$2.75	\$2.75
Parts	Blue Heat Shrink Butt Connector - 83-2350	4.00000	\$0.90	\$3.60
			Subtotal	\$170.60

Complaint: Rear LH live roll air bag leaking at fitting

Cause: Unknown

(Inspection)

Labor	Correction: Semi Trailer / Inspection / Rear LH live roll air bag leaking at fitting	0.30000	\$123.00	\$36.90
	- Replace fitting and test for leak - Removed line and cut worn part of line back. Reinstalled. - Tested for leaks. - No leaks at this time. - 5/9/2022			
			Subtotal	\$36.90

Complaint: #2 Left brake pot missing plug

Cause: Unknown

(Inspection)

Labor	Correction: Semi Trailer / Inspection / #2 Left brake pot missing plug.	0.00000	\$0.00	
	- Install plug - 5/6/2022			
Parts	BRAKE POT PLUG - FBC-FLS-FS-5606R	1.00000	\$2.25	\$2.25
			Subtotal	\$2.25

Unit: 23 VIN: 2N9FG4030JE065372

Labor \$627.30

License Plate: 5TW600

Parts \$48.20

2018 Peak WBoy

Shop Supplies \$31.37

Truck Chassis: 39,613 Kilometers

Pre Tax Total \$706.87

GST (5.0000% of \$706.87) \$35.34

Total \$742.21

Payments & Credits \$0.00

Balance Due \$742.21

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Invoice: 3784

Date: 5/20/2021

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ENTERED

23

Service Order	Terms	Due Date	Authorizer	Customer PO	Service Writer	Unit #
2540	COD	5/20/2021	Brent Woodward		Cornish, Megan	

Item Description

Complaint: CVIP Trailer 3 Axle Air Brakes

Cause: Customer request

Labor Correction:

Semi Trailer / Inspection / Trailer 3 Axle Air Brake - wheels on inspection
 CVIP as per Record of Inspection
 Measure, Record and Inspect Drum Thickness, shoe thickness and S cams and bushing wear
 Wheels torqued to 475ft. lb - 5/26/2021

Subtotal \$345.00

Complaint: New service glad hand rubber old one worn

Cause: Unknown (Inspection)

Labor Correction:

Semi Trailer / Inspection / New service glad hand rubber old one worn
 - Remove and replace glad hand rubber - 5/19/2021

Parts GLAD HAND SEALED - 12-40404

1.00000 \$0.99 \$0.99

Subtotal \$0.99

Complaint: No power to ABS from auxiliary pin

Cause: Unknown (Inspection)

Labor Correction:

Semi Trailer / Inspection / No power to ABS from auxiliary pin,
 - Remove and check trailer plug
 - Follow back to junction box
 - Found main power to abs ecu was corroded
 - Remove and install new eyelet/ clean connections, abs cycled
 - Lift up #2 axle and rotate tires light stayed out
 - Reconnect trailer plug and tie up wiring - 5/26/2021

0.80000 \$115.00 \$92.00

Parts 15" Black Cable Tie - 83-6029

3.00000 \$0.30 \$0.90

Parts Blue Heat Shrink Ring Connector - 84-2412

1.00000 \$0.90 \$0.90

Subtotal \$93.80

Complaint: Light repair

Cause: Unknown (Inspection)

Labor Correction:

Semi Trailer / Inspection / Light repair- Rear beaver tail lights dim, Marker lights on rear out
 - Had junction box off for ABS
 - Go and clean/fix all corroded connections
 - Fixed two dim lights and the RH side that was out
 - The tail lights had to remove and replace twin core wire that was inside tube as it was rotted in the middle
 - Reconnect all wires and reinstall junction box cover
 - Test operation of lights; lights now working - 5/26/2021

1.60000 \$115.00 \$184.00

Parts 2/14 ARTIC FLEX WIRE - 28214

4.00000 \$1.59 \$6.36

Parts Blue Heat Shrink Butt Connector - 83-2350

4.00000 \$0.90 \$3.60

Parts 12-10GA 1/4" EYELIT - 761653

1.00000 \$1.15 \$1.15

Parts Blue Heat Shrink Ring Connector - 84-2412

3.00000 \$0.90 \$2.70

Parts 1/2" Heat Shrink Tubing - 84-4002

1.00000 \$1.50 \$1.50

Item	Description	Quantity	Rate	Amount
Parts	1/4" Hex Nut - 091-014	1.00000	\$0.09	\$0.09
			Subtotal	\$199.40
Complaint: Welding Repairs				
Cause: Unknown (Inspection)				
Labor	Correction: Semi Trailer / Inspection / Welding Repairs - Cracks on fenders, Crack on front LH crossmember, Weld washer on rear LH pin so it can't break and fall off - Ground out all the crack then cleaned the surfaces - Welded all the cracks - Welded a washer on the rear LH pin as well - 5/26/2021	0.45000	\$115.00	\$51.75
			Subtotal	\$51.75
Complaint: Replace #2 RH Hub Cap Plug is leaking around it				
Cause: Unknown (Inspection)				
Labor	Correction: Semi Trailer / Inspection / Replace #2 RH Hub Cap Plug is leaking around it - Removed and replaced hub cap plug - Top up all oil levels and clean out breather hole - 5/26/2021	0.00000		\$0.00
Parts	Red Vent Plug - 359-5990	1.00000	\$5.25	\$5.25
Parts	Chevron Delo SYN Gear HD SAE 75W90 - 22303405-1L	0.50000	\$13.25	\$6.63
			Subtotal	\$11.88
Complaint: ** Monitor **All wheel seals but #2 RH Lvl 1 leaks / clean out hub cap plugs				
Cause: Unknown (Inspection)				
Labor	Correction: Semi Trailer / Inspection / ** Monitor **All wheel seals but #2 RH Lvl 1 leaks / clean out hub cap plugs - 5/19/2021	0.00000		\$0.00
			Subtotal	\$0.00
Unit: VIN: 2N9FG4030JE065372			Labor	\$672.75
License Plate: 5TW600			Parts	\$30.07
2018 Peak WBoy			Shop Supplies	\$26.91
Truck Chassis: 0 Kilometers			Pre Tax Total	\$729.73
			GST (5.0000% of \$729.73)	\$36.49
			Total	\$766.22
			Payments & Credits	\$0.00
			Balance Due	\$766.22

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