

NEILSON MECHANICAL INC.

P.O. Box 123
Acadia Valley, Alberta T0J 0A0
CANADA

INVOICE

Invoice No.: 202101678
Date: Nov 25, 2021
Page: 1

Sold to:

Vern Brockmann
Box 409
Esther, AB T0J 1H0

Neilson Mechanical Inc.

Phone: 403-972-2723 (cell 664-9185)
Fax: 403-972-2776
email: neilsonmechanical@gmail.com
E-transfers accepted (autodeposit enabled)

Business No.: 848472999

Item No.	Description	Qty	Unit	Unit Price	Amount
	1998 Pete, 631544 km 9179 hrs Vin: 1XP5D69XXWD442281				
Hourly Labour	Washed complete truck. Underside was very oily and dirty due to engine oil leaks. Ran truck and determined what was leaking. Found main leak b/t rear cover and block. Front seals also leaking.	6.00	Hour	115.00	690.00
Hourly Labour	Rear engine leak: Pulled driveshaft, transmission, clutch and flywheel. Supported engine and pulled rear motor mounts, starter and fly wheel housing. Found frost plug for rear of camshaft had rusted through allowing oil to leak out. Changed frost plug. Cleaned up block and flywheel housing. Installed housing and new motor mounts. Replaced rear main seal. Installed flywheel and clutch. Installed transmission and buttoned up.	25.00	Hour	115.00	2,875.00
05-10197	MOTOR MOUNT	4.00		40.08	160.32
3067616	FREIGHT	1.00		25.00	25.00
3011852	GASKET, REAR COVER	1.00		9.97	9.97
3006737	CAM PLUG	1.00		8.97	8.97
	REAR SEAL	1.00		31.01	31.01
Hourly Labour	Installed missing backing plates. Removed old bolts and cleaned holes. Troubleshoot for cross lock line freezing on front diff. Pulled line and cleaned out diaphragm. Cleaned water out of line. Added some brake line antifreeze to the line. Filled brake line antifreeze injector.	3.00	Hour	115.00	345.00
BX805143N REC15261	BACKING PLATE	2.00		82.97	165.94
	AIR BRAKE ANTI 1L	1.00	Each	4.25	4.25
Hourly Labour	Front engine leaks: Pulled radiator. Pulled vibration damper and pulley. Found front cover was cracked at timing hole. Pulled air compressor, fuel pump and accessory drive. Swapped out front cover. Installed new acc drive seal and bushing.	24.00	Hour	115.00	2,760.00
If wheels have been removed, it is the customer's responsibility to have wheels re-torqued by a qualified tech after 50-100 km. 2% monthly service charge on balances over 30 days.					Continue...
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3800616	Found shaft damaged on acc drive as bushing had spun in front cover. Pulled accessory drive off spare motor and used it. Installed acc drive air compressor and fuel pump. Installed rad and buttened up.	1.00		77.16	77.16
CB225	SEAL KIT	1.00		106.05	106.05
	FRONT GASKET KIT	1.00			
Hourly Labour	Found bearings in fan hub were in rough shape. Rebuilt hub while we had it off. Pulled cam follower plates while starter and acc drive were off and resealed.	4.00	Hour	115.00	460.00
3068474	GASKET, CAM FOLLOWER HOUSING	3.00		45.77	137.31
HOR994305	FAN DRIVE REBUILT KIT	1.00		680.00	680.00
Hourly Labour	Changed pinion seal on front diff. Found u joint was worn out and changed it as well. Pulled breathers on both diff and cleaned. Topped up diffs.	3.00	Hour	115.00	345.00
ETN0210736	PINION SEAL	1.00	Each	87.03	87.03
SD5676X	C U-JOINT 1810 HALF ROUND	1.00	Each	144.00	144.00
SH550026915	C 75W90 18.9L	0.26	Each	236.07	61.38
4	ENVIRO FEE \$2	0.26	Each	2.00	0.52
Hourly Labour	Exhaust removal, install and repair. Pulled exhaust to remove transmission. Found y pipe, straight pipe and flex pipe damaged in many places. Lots of rust. Replaced from turbo down pipe to stacks.	4.00	Hour	115.00	460.00
18C38.114	3/8 X 1 1/4 NC GR8 C/S ZINC	6.00	Each	0.08	0.48
W838	3/8 F436 FLAT WASHER YZ	12.00	Each	0.10	1.20
VH8C38	3/8-16 NC GR8 HEX NUT Z	6.00	Each	0.12	0.72
W838	3/8 G8 LOCK WASHER Y/Z	6.00	Each	0.08	0.48
LTXC50PLS	5" LAP CLAMP STAINLESS STEEL	9.00	Each	20.20	181.80
NAK49034	4" FLEX PIPE STAINLESS	51.00	INCH	1.82	92.82
EP50YTUBES	EXHAUST Y PIPE	1.00		266.49	266.49
362.U7150-10A	EXHAUST TUBING 5"	27.00	INCH	1.34	36.18
	FREIGHT	1.00		20.00	20.00
LTec50VBS	V CLAMP	1.00	Each	41.45	41.45

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Item No.	Description	Qty	Unit	Unit Price	Amount
Hourly Labour	Block heater, pan heater and speed sensor. Replaced block heater and cord. Replaced oil pan heater and repaired connector. Tapped threads in flywheel housing for speed sensor. Installed new speed sensor and set gap. Installed new pigtail for sensor.	2.00	Hour	115.00	230.00
2036583C1	CONNECTOR	1.00		18.42	18.42
2036586C1	TERMINAL	2.00		5.13	10.26
577.75500	SPEED SENSOR	1.00		68.89	68.89
	FREIGHT	1.00		20.00	20.00
140401	TEMP SENDER	1.00		111.92	111.92
HWC00063	NUT	1.00		4.15	4.15
3825417c	BLOCK HEATER	1.00		106.23	106.23
Hourly Labour	Inframe: Tore down engine. Sent heads away to be tested - found we were better off installed new heads due to wear on old ones. Ordered new heads. Pulled pistons and liners. Cleaned up block. Installed new liners and pistons. Rolled in new crank bearings. Replaced conn bearings. Installed heads and buttoned up. Used one riser box off of old engine. Used fuel lines off old engine. Removed broken bolt in one jake head. Set valves, jakes and injectors. Found temp sensor for dummy light shorted to ground and coolant temp gauge. Damaged coolant temp gauge sender on removal and had to replace. Changed dummy light sender. Changed engine oil after test drive to clean up case. Repaired worn battery cables. Installed new a/c compressor and pressure tested system. Found one hose was blown and replaced. Charged system.	51.00	Hour	115.00	5,865.00
4024880	A/C HOSE REPAIR	1.00		94.80	94.80
3076226	INFRAME KIT	1.00		3,430.00	3,430.00
	GASKET	1.00		12.76	12.76
	FREIGHT	1.00		196.54	196.54
3411389	BUSHING	1.00		36.50	36.50
	HEAD TESTING	1.00		383.49	383.49

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4060415	BELT	1.00		30.82	30.82
25-9465	BELT	2.00		32.09	64.18
3068135	GASKET, JAKE HEAD	3.00		29.40	88.20
3031124N	EXH MANIFOLD BOLT	12.00		9.90	118.80
433659	THERMOSTAT	2.00		53.19	106.38
43463	O RING	2.00		1.60	3.20
3800616	ACC DRIVE SEAL	1.00		51.03	51.03
3084992DXV	CYLINDER HEAD	3.00		925.00	2,775.00
E86525	HIGH STRENGTH WELDING ROD	1.00	Each	3.50	3.50
ZBJD849221	2/0 BUTT CONNECTOR	3.00	Each	6.00	18.00
ZBJD849184	BATTERY NUT	1.00	Each	4.82	4.82
ZBJD825702	BATTERY CABLE 2/0 GA BLACK	1.50	FOOT	8.59	12.89
FARSR4281010	STEEL BRAID RESUABLE FITTING	2.00	Each	13.42	26.84
FARHT10	STEEL BRAIDED HOSE	5.00	FOOT	10.95	54.75
H8C38.34	3/8 X 3/4 NC GR8 C/S ZINC	10.00	Each	0.16	1.60
L2643546	1/2" OIL AND FUEL HOSE	2.50	Foot	4.03	10.08
L2643655	3/4" OIL AND FUEL HOSE	2.00	FOOT	5.99	11.98
THCHS12	HOSE CLAMP	6.00	Each	1.92	11.52
FARHC3350	T-BOLT CLAMP 3 1/2"	2.00	Each	6.95	13.90
FARHC3300	T-BOLT CLAMP 3"	2.00	Each	7.00	14.00
LF3000	C FILTER	2.00	Each	44.07	88.14
13	Enviro Fees \$1.00	2.00	Each	1.00	2.00
WF2077	FILTER	1.00	Each	10.51	10.51
12	Enviro fees \$0.50	1.00	Each	0.50	0.50
SH500010048	15W40 BULK	78.00	L	4.14	322.92
5	ENVIRO FEE \$0.10	78.00	Each	0.10	7.80
FARHC19425	BOOST CLAMP 4"	2.00	Each	12.03	24.06
ZBJD838001	SPLIT LOOM 1/2"	2.50	Each	0.27	0.68
80255GL	BLUE SILICONE HOSE 3/8"	2.00	FOOT	8.56	17.12
	NITROGEN	1.00		5.00	5.00
AR134A	30# FREON	3.50	lb	20.00	70.00
SH550057733	C 50/50 RED ANTIFREEZE EXT LIFE	4.00	Each	11.25	45.00
PL1126ATR	RADIATOR SUPPORT BUSHING	4.00	Each	5.54	22.16
8039019P	TEMP SWITCH	1.00		78.54	78.54
Hourly Labour	Front hub oil change.	1.00	Hour	115.00	115.00
ZCP3303024	HUB CAP GASKET	2.00	Each	2.30	4.60

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Item No.	Description	Qty	Unit	Unit Price	Amount
aap LUC-20088	HUB OIL 32 OZ	1.00	Each	15.54	15.54
10	ENVIRO FEE \$0.15	1.00	Each	0.15	0.15
Shop supply	5% Shop Supplies	14,145.00		0.05	707.25
	Subtotal:				25,822.95
	G - GST @ 5%				
	GST				1,291.18
If wheels have been removed, it is the customer's responsibility to have wheels re-torqued by a qualified tech after 50-100 km. 2% monthly service charge on balances over 30 days.				Total Amount	27,114.13
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Brennan LeBlanc
Divisional Operations Manager
Western Canada Agriculture