DART MECHANICAL INC
715043 Rge Rd 50
County of Grande Prairie No.1, AB T8X 4E7
Canada **Ph: 587-818-5100**

Invoice #: 2618

Date: 02-02-26

Sold to:

Samanda Howling Ltd.

11440 - 107 Ave
Grande Prairie, AB T8V 6T2

UNIT#: LIC#: 0AV368 AB
VIN: 5KJJALD16DPFA0832
ESN: 473902S0155272 (OLD)
ESN: 473908S0226201 (NEW) 19989 HRS
ODO: 1059054 KM HRS: 37120
2013 WESTERN STAR 4900SA

Business No.: 743158917

Item No.	Qty	Description	Unit Price	Amount
UC L	51.75	Unit Complaint - Check for no start. Labour - Put battery charger on unit and plug in block/oil pan heaters. Check heater operation, block heater not working. Connect laptop and check codes, there is history of low oil pressure codes. Drain sample from bottom of oil pan, coolant comes out. Discuss w/customer, they are going to supply a different engine. Air up unit and tow into wash bay. Remove front fenders, steam off engine. Noticed sparks flying while pressure washing near rear RH engine. Disconnect batteries, will check out issue later. Move unit to work bay. Drain fluids, remove hood and rad. Disconnect fuel lines, wiring, and coolant hoses. Remove oil pan, pick up manifold, and oil pump. Remove clutch and bellhousing bolts. Remove engine from chassis. Inspect replacement engine. Remove injectors from original engine. Re-seal injectors and install into replacement one. Perform valve set. Swap turbo, interstage duct, EGR x-over pipe, and fan hub as well. Replace middle aux belt idler pulley. Replace air comp cooant line. Swap starter as it is brand new. Install new engine harness. Clean frame rails, prep for engine reinstallation. Install used engine into chassis. Install bellhousing and clutch bolts. Install new front mount rubbers and bolts. Reconnect fuel lines. Reinstall coolant return lines and wiring. Had to replace 21 pin MCM connector, it was broken. Also had to build hold down bracket due to locking tabs broken off of MCM. Reinstall rad, hood, and battery cables. Had to clean cable ends. Install oil pump. Put new o-rings on oil pump pick up tubes and install. Replace oil pan bolt rubbers, reinstall oil pan. Fill crankcase with oil, pumped 12L through priming port. Fill cooling system w/new coolant. Prime fuel system, install injector cal codes. Start unit. No leaks. Bring up to operating temp, no codes. Re-enable EGR system, still no codes. Reinstall fenders, install bracket for starter battery cables (was missing), secure battery cables. Secure coolant hoses, install bracket for Webasto hoses. Go for test drive, unit ran well, no issues. Test oil pan and block heaters, they both work. Clean up.	150.00	7,762.50

Continue...

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Item No.	Qty	Description	Unit Price	Amount
P	1.00	Parts - Front engine mount + hardware, EGR x-over hose, EGR venturi gasket, Turbo mount gasket and bolts, (Oil, fuel, and coolant filters), Power steering pump gasket, Aux belt pulley, Air compressor coolant line, Pilot bearing, Spinner fitting for block, Idler pulley, Small and large EGR connecting pipe, Oil filter stand pipe, Rad cap, 3x 1L ATF, 6" of 2.5" rad hose, 2x CT450 clamp, 3x CT300 clamp, Oil pan bolt rubber kit, 10x 3.78L jug of 50/50 coolant, 12L of 5w40 oil, Oil pan gasket, Pickup tube seals, Oil outlet to block seal, 21 pin MCM connector, Oil primer port seal ring.	1,688.71	1,688.71
P	1.00	Parts - 6x Injector seal kit, Engine harness.	1,067.93	1,067.93
F	1.00	Freight	65.00	65.00
SS	1.00	Shop Supplies - 8% of Labour. (Capped @ $600.00)	600.00	600.00
SS	1.00	Shop Supplies - 100% Discount	-600.00	-600.00
P	1.00	Parts - Discount 10% on installation parts.	-253.31	-253.31
L	51.75	Labour - 33% Discount	-50.00	-2,587.50
		Subtotal:		7,743.33
		G - GST 5% GST/HST		387.17

I HEREBY ACKNOWLEDGE MY INDEBTEDNESS IN THE AMOUNT OF $_____
BEING THE TOTAL AMOUNT OWING OR BALANCE OWING AS SHOWN HEREON.

CUSTOMER SIGNATURE _____ **DATE** _____

Sold By:

Invoice Total **0.00**