214-4
DEC

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

Invoice #: 1790

Date: 10-17-23

Sold to:

KPA Oilfield Services Ltd

UNIT#: 303 LIC#: LN6939 BC
VIN: 5KKPALD19JPJR0811
ESN: 473910R1202294
ODO: HRS: 12996
2018 WESTERN STAR 4900SB

Business No.: 743158917

Item No.	Qty	Description	Unit Price	Amount
UC		Unit Complaint - Trans codes, shifting erratic.		
L	38.50	Labour - Connect laptop and check codes, unit has active code 27 FMI 5. Perform troubleshooting, realized clutch was not caged before engine removal. Clutch will need to be replaced. Remove cab skirts, front fenders, exhaust piping and driveline. Disconnect trans wiring and remove various brackets from top of trans. Drain trans fluid into clean container. Remove hydraulic pump and PTO. Found both positive battery cables rubbed through badly on hyd pump. Remove clutch and rear mount bolts. Support rear of engine and remove bell housing bolts. Seperate engine and trans, remove RH trans mount in order to get trans out of chassis. Remove Electronic Clutch Acuator, clutch, and clutch brake. Clean grease/dirt from bell housing. Install new clutch brake and clutch. Clean floor under unit. Clean out mount holes on RH side of trans. Reinstall trans into chassis and reinstall RH mount. Install bell housing bolts, check crankshaft endplay. It is good @ 0.009". Install clutch bolts. Replace trans mount rubbers. Remove clutch cage bolts. Reinstall wiring, brackets, exhaust piping, drive shaft and PTO. Check PTO backlash, it is good @ 0.006". Reinstall hydraulic pump. Refill trans fluid, had to add 7.5L to top it off though. Inform customer that trans fluid was low to begin with. Install Electronic Clutch Actuator. Reconnect batteries, connect laptop and perform Clutch Reset procedure. Reinstall all remaining items that were removed. Replace trans filter. Go for long test drive just to make sure trans shifts properly. Shifts were smooth, tested acceleration and Jaking repeatedly. Return to shop and check over unit. No leaks found. Clean up. *** NO CHARGE ***		
L	3.25	Labour - Repair battery cables that were rubbed through. Wrap in protective hose and secure to trans so they shouldn't rub anymore. Replace front LH shock.	145.00	471.25
P		Parts - 3' of 5" Flex pipe, 4x 5" Exhaust step clamps, Clutch assembly. *** NO CHARGE***		
P	1.00	Parts - 7.5L of Trans oil, Rear mount rubbers w/mounting hardware, Front shock, Trans oil filter.	281.91	281.91
SS	1.00	Shop Supplies - 8% of Labour.	37.70	37.70

Continue...

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ESN: 473910R1202294
ODO: HRS: 12996
2018 WESTERN STAR 4900SB

Business No.: 743158917

Item No.	Qty	Description	Unit Price	Amount
		Subtotal:		790.86
		G - GST 5% GST/HST		39.55
		Thank You for your business		

I HEREBY ACKNOWLEDGE MY INDEBTEDNESS IN THE AMOUNT OF $_____

BEING THE TOTAL AMOUNT OWING OR BALANCE OWING AS SHOWN HEREON.

CUSTOMER SIGNATURE _____ DATE _____

Invoice Total 830.41

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

Invoice #: 1751

Date: 10-11-23

Sold to:

KPA Oilfield Services Ltd

UNIT#: 303 LIC#: LN6939 BC
VIN: 5KKPALD19JPJR0811
ESN: 473910S0485834 (OLD)
ESN: 473910R1202294 (NEW)
ODO: 540476 KM HRS: 12981
2018 WESTERN STAR 4900SB

Business No.: 743158917

Item No.	Qty	Description	Unit Price	Amount
UC		Unit Complaint - R+R long block		
L	19.5	Labour - Tow unit into shop. Drain engine fluids, remove hood, rad, battery cables, etc. Remove engine from chassis. Cover clutch assembly and misc hoses. Pressure wash frame rails, they were very oily, dirty. Transfer parts from old engine to new one. Remove front crossmember so new engine can be installed without removing oil pan. Install new engine into chassis, reinstall front crossmember. Install bellhousing bolts. Reinstall oil pan and pump onto original engine.	145.00	2,827.50
L	20.5	Labour - Put old engine into shipping stand. Reinstall all removed items. Clean battery cable ends. Re-route misc hoses and wires to prevent further chafing. Refill power steering reservoir. Repair cut wiring on LH headlight. Replace various coolant hoses Fill cooling system with 50/50 coolant. Pump 40L of 15w40 oil through priming port, top off oil level as needed. Prime fuel system, enter proper injector cal codes into ECM. Start unit and check for leaks. none found at this time. Install new A/C compressor as truck was missing one when it was hauled here. Pull vacuum on A/C system and monitor. It holds. Refill A/C system. Test operation, A/C clutch does not engage, further diagnosis will be needed. R+R both air filters. Attempt to go for test drive, realized main slipshaft is missing from driveline. Inform customer, they do not know where it is. Gets shaft specs from Western Star, customer approves getting new shaft built. Check brakes and lights, all are working. Make list of issues that will need to be repaired at a later date. Tow unit out of shop and clean bay.	145.00	2,972.50
L	5.0	Labour - Pick up new main slipshaft and return to shop. Install into unit and paint it. Grease chassis. Go for test drive, unit ran well, no codes. Return to shop and check over unit. No leaks found, RH low beam headlight quit working though. Diagnose issue, found multiple rubbed/corroded wires at p-clip hold wires to hood. Remove p-clip and repair wires. Test operation, low beam works now. Secure wiring to hood.	145.00	725.00
P	1.0	Parts - A/C compressor, Receiver dryer w/seals, Accessory belt, 2x 5" graphite gasket, 2x CAC boot, 4x CT450 clamp, Upper rad hoses, 2x Air filter, 13x jugs of coolant, 49L of 15w40 oil, 3L ATF, 8x CT300 clamp.	1,886.48	1,886.48
P	1.0	Parts - Main SPL250 slipshaft, 2x strap kit.	2,082.09	2,082.09

Continue...

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715043 Rge Rd 50
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Invoice #: 1751

Date: 10-11-23

Sold to:

KPA Oilfield Services Ltd

UNIT#: 303 LIC#: LN6939 BC
VIN: 5KKPALD19JPJR0811
ESN: 473910S0485834 (OLD)
ESN: 473910R1202294 (NEW)
ODO: 540476 KM HRS: 12981
2018 WESTERN STAR 4900SB

Business No.: 743158917

Item No.	Qty	Description	Unit Price	Amount
P	1.0	Parts - EGR Cooler	-1,200.00	-1,200.00
SS	1.0	Shop Supplies - 8% of Labour (capped @ $500.00)	500.00	500.00
		Subtotal:		9,793.57
		G - GST 5%		
		GST/HST		489.68
		Thank You for your business		

I HEREBY ACKNOWLEDGE MY INDEBTEDNESS IN THE AMOUNT OF $_____

BEING THE TOTAL AMOUNT OWING OR BALANCE OWING AS SHOWN HEREON.

CUSTOMER SIGNATURE _____ DATE _____

Invoice Total 10,283.25

FIRST TRUCK CENTRE

PG Western Star
5239 Continental Way
Prince George, BC V2N 5S5
Phone: 250.561.0646
Fax: 250.562.3260
DTNA: AWXD

Invoice No.	**X006348515:01**
Invoice Date	09/14/2023
PO Number	
Terms	NET30
Ship Via	ROSENAU (4:00PM)
Customer No.	
GST No.	**11940 1776 RT0005**

Invoice

Sold to:
KPA OILFIELD SERVICES LTD 112055

Ship to:
KPA OILFIELD SERVICES LTD

Phone No.

Cell:

Date Created	Sales Person	Writer	Picked By	Checked By	Closed By	Reference
08/01/2023		6353			6353	E006041941

QTY SHIP	QTY B/O	ITEM	DESCRIPTION	EMP ID	BIN	UNIT PRICE	EXT PRICE
			JR0811				
1	0	006F/DDE R23565032J	ENG DD16 16 POWERCHOICE ENGINE	6353	NOLOC	56,276.67	56,276.67
		*** Remanufactured Part ***	*** Special Order Part ***				
1	0	006F/DDE R23565032J-CORE	** Clean Core Charge **	6353	DDE	18,154.50	18,154.50

SERIAL # :473910R1202294

ESD 10-12 WEEKS APC LEAD TIME REQUEST- APC#13567272

ORDER REF# 28804094.

CUSTOMER CONTACTED

Subtotal	74,431.17
GST	3,721.56
PST	5,210.18
Total:	**83,362.91**

Customer Copy

Posted on: 9/14/2023 @ 3:06:37PM
Printed on: 9/14/2023 @ 2:06:47PM

Please Remit Payment to:
FIRST TRUCK CENTRE BC NORTH INC
5239 CONTINENTAL WAY
PRINCE GEORGE, BC V2N 5S5

RETURN POLICY:
Returnable goods must be in new and re-saleable condition, and accompanied by the original invoice. Parts will not be accepted for return after 90 days. All returns and cancelled special orders are subject to a 20% restocking charge. Freight charges are non-refundable. Cores must be returned within 90 days for credit consideration. Special orders and electrical parts are not returnable.

TERMS (On Account):
Net 30 days. Interest charged at 2% per month (24% per annum) on

The parts and accessories listed hereon are for the installation on the under noted vehicle and I hereby acknowledge an express lien thereon to secure the full amount of the indebtedness.

Make: WESTERN STAR Model: 4900SB

Serial: 5KKPALD19JPJR0811

Received by: X _____

CANADA BEST MANAGED COMPANIES

ELITE SUPPORT

WESTERN STAR

Thomas BUILT BUSES

Take our Survey

www.firsttruck.ca