



WESTERN STAR TRUCKS (NORTH) LTD.

Address: 24210 - 114 Avenue | Acheson, AB T7X 6B9
Phone: 780-453-3452 | Toll Free: 1-800-252-7500 | Fax: 780-701-2272

Visit us online at www.wsnorth.com

Remit To: 24210 - 114 Avenue | Acheson, AB T7X 6B9

GST: 892197082

*** Customer Review ***

Date / Time: 4/10/2025 5:00:20PM
Repair Order: 56788

Invoice Total: \$ 5,543.70

Cash

Page 2 of 3

FK28-1

Customer P/O

Created By

Completion Date

MOLEARY

Task 2 Subtotals:

Parts: \$0.00

Labor: \$89.49

Miscellaneous: (\$89.49)

Task 2 Totals: \$0.00

Task: 3 43-100002.01 TURBO R/R DD15/16

Department: SERVICE

Complaint: R/R TURBO

Correction: CUSTOMER REQUESTED TO REPLACE TURBO DUE TO LACK OF BOOST AND SMOKING. REMOVED TURBO- DID FIND TURBINE FINS BROKEN- COULD BE FROM PREVIOUS FAILURE OF CYLINDER HEAD- CUSTOMER HAD CYLINDER HEAD REPLACED IN THE PAST. INSTALLED NEW TURBO WITH ALL NEW CLAMPS AND GASKETS. REPLACED HEAT SHIELDS AS HEAT SHIELDS WERE COMPLETELY CORRODED AND NO MOUNTING HOLES PRESENT. TOOK THE TRUCK FOR A ROAD TEST, ENGINE RUNS GOOD. INTAKE MANIFOLD PRESSURE IS GOOD AT 29-31PSI. NO MORE EXCESSIVE SMOKING PRESENT. TASK COMPLETE. NO WARRANTY COVERAGE ON REPAIRS.

CAUSE: TURBINE FAILURE IN TURBO.

Supp.	Part	Description / Ref Number	U/M	Quantity	Price	Ext Price
	SS SVC	SHOP SUPPLIES	Misc	1.00	79.90	79.90
	DDE CA4720962499	CORE, EXH GAS TURBO	Inherent	1.00	780.00	780.00
CORE BAY 13						
	DDE RA4720962499	TURBOCHARGER - REMAN	Part	EA	1.00	2,786.99
CORE BAY 13						
	DDE A4730960280	SEAL, Metal GHG14	Part	EA	1.00	66.54
		Turbocharger mounting				
	DDE A0219901101	HEX HD BOLT	Part	EA	4.00	14.32
	DDE N000000001069	RING, Seal	Part	EA	2.00	0.92
	DDE A5411870080	GASKET, Oil Return Line	Part	EA	1.00	12.94
	DDE A0309974645	O-RING	Part	EA	1.00	7.96
	DDE A0019954102	CLAMP, Exhaust	Part	EA	1.00	34.44
	DDE A0019955565	CLAMP, Hose	Part	EA	1.00	95.07
	DDE A0129974245	O-RING, HDEP	Part	EA	1.00	4.78
	BRZ CT 600 L SS	CLAMP, Constant Torque 5-1/4" - 6-1/8"	Part	EA	1.00	14.14
	DDE A4720900134	SHIELD, Thermal	Part	EA	1.00	52.35
	DDE A4720900034	SHIELD, Thermal	Part	EA	1.00	32.64
	DDE A0019909200	BOLT	Part	EA	10.00	3.22
	DDE CA4720962499	CORE, EXH GAS TURBO	Part	EA	(1.00)	780.00

Task 3 Subtotals:

Parts: \$3,199.17

Core Chg: \$780.00

Core Ret: (\$780.00)

Labor: \$998.75

Miscellaneous: \$79.90

Task 3 Totals: \$4,277.82

Task: 4 47.100028.02 COMPLIMENTARY INSPECTION ITEMS

Department: SERVICE

SERVICE INVOICE	
R400045938:01	
Invoiced:	29-Jul-2021
PO No:	
Terms:	C-CSH
Prorate#	BC02578005

INVOICE
REPRINT

DATE CREATE	JE ID	ADVISOR	VIN ID	MODEL #	SERIAL #	ORIG. DOCUMENT	SALES TYPE
26-Jul-2021	1400128	AB HR	108033	CONVENTIONAL	5KJJAED10FPGK4713		SRET GST
HOURS	ODOM IN	ODOM OUT	CUSTOMER UNIT #				
0	898678	898678	346				

Sold Operations

JOB #1 50-DIAG-CEL DIAGNOSTICS CEL,MIL

COMPLAINT DIAGNOSTICS CEL ** CE
RUNS ROUGH IN THE MORNING & ENGINE FAN COMES ON WITH CEL & WITHIN 5 MINUTES CEL GOES OFF. PLEASE SEE HISTORY FROM OCT 2020

CAUSE

CORRECTION STEAM CLEAN. CHECK COOLANT AND OIL LEVELS. PRINT ENGINE CALIBRATIONS AND FAULT CODES. TROUBLESHOOT NOX CODES AND FOUND OUTLET NOX SENSOR FAILING. DURING T/S, SCR LINE HEATER #4 CODED FOR OPEN CIRCUIT. T/S DEF LINE #4 CODE AND FOUND DEF LINE WIRING FAILED T/S INTAKE TEMP CODES AND T/S TREE LEADS TO REPLACEMENT OF BOTH CAC OUT TEMP AND INTAKE TEMP SENSORS. RE+RE INTAKE MANIFOLD TEMP SENSOR AND PIGTAIL, CAC OUT PRESSURE/TEMP SENSOR AND PIGTAIL, OUTLET NOX SENSOR, DEF LINE #4. CLEAR CODES. WENT TO RUN REGEN, ROUGH RUN, LOW COMPRESSION 1,2 AND 3, TUNE UP IN HISTORY, NEEDS HEAD

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1	400d/04-31886-300	DEF LINE-DBL CONN 3000MM	654.90	654.90
1	400D/DDE A0001421180	METAL SEAL	18.90	18.90
1	400D/DDE A0001506136	CONNECTOR	9.09	9.09
1	400D/DDE A0001506436	CONNECTOR	15.87	15.87
3	400D/DDE A0019909403	SCREW	3.02	9.06
1	400D/DDE A0081530128	TEMP. SENSOR	26.93	26.93
1	400D/DDE A0101535428	SENSOR	49.81	49.81
1	400D/DDE EA0101532328	NOX SENSOR GEN 2.8	515.76	515.76
-1	400D/DDE EA0101532328-CORE	NOX SENSOR GEN 2.8 CORE CHG	163.80	-163.80
1	400D/DDE EA0101532328-CORE	NOX SENSOR GEN 2.8 CORE CHG	163.80	163.80
	LABOUR EA-001	DIAGNOSTICS ENGINE		1,068.00
1	EN0114	ENVIRONMENTAL FEE	1.14	1.14

Prepay: \$0.00 Parts: \$1,300.32 Labour: \$1,068.00 [6.00] Misc: \$1.14 Sublet: \$0 \$2,369.46

JOB #2 54-OTHER-60- SLEEPER

COMPLAINT REPLACE ALL FOUR SLEEPER SHOCKS

CAUSE



Sold Operations (Cont.)

CORRECTION RE & RE ALL 4 SHOCKS.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
4	400D/GBL 83027	GABRIEL SHOCK *D	54.81	219.24
	LABOUR OTHER-60-00-050	SLEEPER MISC		167.00

Prepay: \$0.00 Parts: \$219.24 Labour: \$167.00 [1.00] Misc: \$0 Sublet: \$0 \$386.24

JOB #4 01-DD16-#0122 # CYLINDER HEAD GASKET LEAK

COMPLAINT # CYLINDER HEAD FAILURE.

CAUSE

CORRECTION DRAIN COOLANT. REMOVE INTAKE PIPING, FUEL LINES, COOLANT LINES, TURBO MOUNT BOLTS, VALVE COVER, INJECTOR HARNESS, INJECTORS, CAM BOX, CYLINDER HEAD. STRIP DOWN HEAD FOUND VALVES RECESSED ON 1,2,3. RE+RE DEF LINES DUE TO BROKEN FITTINGS. PREP AND PAIN NEW HEAD INSPECT LINER HEIGHTS - IN SPEC. RE+RE DELTA P SENSOR DUE TO CORRODED PIN. ASSEMBLE NEW CYL HEAD. REMOVE CRANK SENSOR TO SET TDC BUT SEIZED AND BROKEN. INSTALL CYL HEAD AND TORQUE. CHECK LASH - IN SPEC. INSTALL CAMBOX - TIMING IN SPEC. SET VALVES AND JAKES INSTALL INJECTORS, LINES, HARNESSES VALVE COVER, INTAKE, TURBO BOLTS, HEAT SHIELD, COOLANT HOSES. RE+RE DELTA P PIGTAIL DUE TO GREEN PINS, RE+RE OIL, FILTER, FUEL FILTERS, COOLANT FILTER
FILL WITH NEW COOLANT. UPDATE INJ CAL CODES.

QTY	ITEM	DESCRIPTION	UNIT PRICE	EXTD PRICE
1	400D/A04-30468-461	TUBE-COOLANT DD15 RETURN	185.84	185.84
1	400D/A04-30469-462	TUBE-COOLANT DD13 RETURN	136.26	136.26
1	400D/DDE 23539639	DP SNSOR KIT	147.71	147.71
2	400D/DDE A0019950502	PIPE CLAMP	0.00	0.00
1	400D/DDE A0061534228	POSN SENSOR	31.27	31.27
4	400D/DDE A0219901101	HEX HD BOLT	11.33	45.32
1	400D/DDE A4700903151	KIT- FILTER INSERT	81.46	81.46
1	400D/DDE A4720160121	SEAL	64.66	64.66
1	400D/DDE A4720162120	C/HD GSKT KT	836.39	836.39
1	400D/DDE A4720709132	KIT - HIGH PRESSURE FUEL LINE	115.50	115.50
6	400D/DDE A4720980080	SEAL	9.30	55.80
1	400D/DDE A4720980880	GASKET	14.28	14.28
1	400D/DDE A4721400648	CONN PIPE	93.03	93.03
2	400D/DDE A4721421880	SEAL	121.29	242.58
1	400D/DDE A4721421980	SEAL	121.42	121.42
1	400D/DDE A4722000154	CONN PIPE	15.99	15.99
1	400D/DDE A4722030355	FILTER KIT	46.48	46.48
1	400D/DDE A4722030880	SEAL	31.53	31.53
1	400D/DDE A4722030980	SEAL	25.26	25.26
1	400D/DDE A4729970453	HOSE	15.84	15.84
2	400D/DDE A4729970845	O-RING	6.16	12.32
1	400D/DDE A4730702332	FUEL LINE	81.47	81.47
1	400D/DDE A4730960280	METAL SEAL	48.87	48.87
1	400D/DDE A4731800409	OIL FLTR KIT (E510H07D254)	36.32	36.32
2	400D/DDE N000000001069	SEAL RING (20mm O.D. x 14mm I	0.70	1.40
1	400D/DDE N000000003528	CLAMP	6.95	6.95



Sold Operations (Cont.)

QTY	ITEM	DESCRIPTION		UNIT PRICE	EXTD PRICE
1	400D/DDE RA4730102620	CYL HEAD WITH VALVES DD16 15	G	5,728.45	5,728.45
-1	400D/DDE RA4730102620-CORE	CYL HEAD WITH VALVES DD16 15 C	G	2,457.00	-2,457.00
1	400D/DDE RA4730102620-CORE	CYL HEAD WITH VALVES DD16 15 C	G	2,457.00	2,457.00
8	400D/OWI 23539616	&DETROIT OAT ELC FULL -1	G	23.51	188.08
42	400O/217D7F	15W40 CK-4 CASTROL "CRB" BULK	G	4.68	196.56
	LABOUR DDE-#012000	# CYLINDER HEAD GASKET LEAK	G		4,450.00
42	EN0005	ENVIRONMENTAL FEE	G	0.05	2.10
1	EN0055	ENVIRONMENTAL FEE	G	0.55	0.55
8	EN0114	ENVIRONMENTAL FEE	G	1.14	9.12
1	EN0125	ENVIRONMENTAL FEE	G	1.25	1.25
1	FRTIN	FREIGHT INBOUND - CUST CHG	G	20.13	20.13

Prepay: \$0.00 Parts: \$8,607.04 Labour: \$4,450.00 [25.00] Misc: \$33.15 Sublet: \$0 \$13,090.19

JOB #5 50-DIAG OILL DIAGNOSTICS OIL LEAKS

COMPLAINT DIAGNOSTICS OIL LEAKS CAM-HOUSING.

CAUSE

CORRECTION PRE-TREAT FUEL SYSTEM. REMOVED AIR PIPE, RAD BRACKET, VALVE COVER, FUEL LINES AND INJECTOR HARNESS. PUT UNIT IN TDC AND REMOVED CAMBOX ASSEMBLY. REINSTALL CAMBOX WITH NEW SEAL, PERFORM COMPLETE TUNE-UP.

QTY	ITEM	DESCRIPTION		UNIT PRICE	EXTD PRICE
1	400D/DDE A4720160680	SEAL	G	67.34	67.34
1	400D/DDE A4720709132	KIT - HIGH PRESSURE FUEL LINE	G	115.50	115.50
	LABOUR EA-00	DIAGNOSTICS	G		417.50

Prepay: \$0.00 Parts: \$182.84 Labour: \$417.50 [2.50] Misc: \$0 Sublet: \$0 \$600.34

Sold Operations Sub-Totals Prepay: \$0.00 Parts: \$10,309.44 Labour: \$6,102.50 Misc: \$34.29 Sublet: \$0.00 \$16,446.23

*** DO NOT PAY THIS AMOUNT - SEE BOTTOM OF LAST PAGE FOR INVOICE TOTAL ***



Sign In:

I hereby authorize Cullen, it's agents and employees (the company), to perform the noted repair work along with the necessary material, and hereby grant permission to operate the vehicle herein described on highways or elsewhere for the purpose of testing and/or inspection. I understand that prior to an estimate being provided a diagnosis will be required and that I will be responsible for the diagnostic labour necessary to determine the scope of repairs required and that diagnostics may require components to be removed to provide an accurate assessment. I understand that additional repairs may become necessary as further diagnosis is completed. The company will make its best efforts to contact me for approval of any repair conditions not noted on the repair order. Cullen is not responsible for unavailability of parts or delays in parts shipments beyond the company's control nor for loss or damage to vehicle or articles left in vehicle in case of fire, theft or any other cause. You will be contacted with an estimate before any repair work is completed unless otherwise arranged.

AUTHORIZED BY: X _____ DATE: _____

Sign Out:

I acknowledge that all charges for parts and labour performed as required to complete the necessary repairs have been explained to me and acknowledge that all repairs have been completed by and inspected by a qualified factory trained DTNA technician, following DTNA published service procedures and that all repairs are complete unless otherwise noted. I accept that any and all warranties on the products sold hereby are those made by the manufacturer, if any. There are no warranties which extend beyond the description on the face hereof. The seller hereby expressly disclaims all warranties expressed or implied. A mechanic's lien is hereby acknowledged on above to secure the amount of repairs thereto.

RECEIVED BY: X _____ DATE: _____

If you would like to have your invoices automatically emailed to you, contact our accounts receivable department at AR@cullendiesel.com

YEAR/MAKE/ MODEL: 2015 / WESTERN STAR / CONVENTIONAL
ENGINE MODEL/SERIAL /HRS: D473908 / 473908S0276702 / 0
TRANS MODEL/SERIAL: RTLO-18918B / S1095973
REAR AXLES MODEL/ SERIAL: RR-23-160 / FOR02874389
DATE IN SERVICE: 12/01/2014

	ESTIMATED	BILLED
LABOUR		\$6,102.50
PARTS		\$10,309.44
MISC		\$34.29
SUBLET		\$0.00
PREPAY		\$0.00
SUBTOTAL		\$16,446.23

ENVIRO/MATERIAL	\$366.15
PST	0.00
GST/HST	840.62
TOTAL	\$17,653.00

Please Remit Payment to:
CULLEN WESTERN STAR TRUCKS
LTD.
9300 192ND STREET
SURREY, BC V4N 3R8
GST NO: 866231756

