



**TRIPLE THREAT  
DIESEL**

Triple Threat Diesel Inc.

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GST/HST Registration No.: 830529301RT0001

## INVOICE

### BILL TO

Gold Bullet Trucking

15419 105 St

Grande Prairie Alberta T8X

OL8

INVOICE # 22745

DATE 06/04/2025

DUE DATE 06/04/2025

TERMS COD

QTY	DESCRIPTION	RATE	AMOUNT
42	<p>Complaint: Check and advise turbo actuator code.; Cause: Dropped valve seats; Correction: Checked fault codes with a laptop and ecm had lots of vgt mechanically out of position faults active. Drained the cooling system and removed the turbo actuator. Found that the vgt arm on the turbo was seized, suspecting a dropped valve seat seeing that the turbo looked fairly new. Removed valve cover and checked the valve set to determine a dropped valve seat. #5 exhaust rocker was tight, suspecting dropped valve on hole 5. Unhooked the plumbing and mounting to the rad assembly and removed the rad assembly. Removed the turbo and turbo actuator. Removed the rocker assemblies and injectors. # 5 exhaust valve stems are visibly higher than the rest. Removed front gear cover and disassembled cam gear and idler, also removed their sealing plates. Removed the camshaft. Unhooked all the externals on the cylinder head and removed the head bolts. Removed the cylinder head from the block and found that both exhaust seats were missing on 5 and definitely beat up the head, liner and piston. Head gasket was also breached. Other liners were also washed out. Customer requested just cylinder 5 replacement and used head swap. With new turbo. Drained engine oil and removed the oil pan. Removed block stiffener and oil suction tube. Removed #5 piston cooling nozzle and unbolted #5 con rod and removed piston con rod assembled. Removed #5 liner and cleaned up the deck and one hole. Installed new liner and replaced the piston on the con rod and reassembled piston assembly in the new liner and torqued the con rod cap to spec with the same bearings. Transferred over and resealed all the externals on the cylinder head to the other used cylinder head. Installed a new head gasket and installed the cylinder head on the block. Reconnected all the wiring, plumbing and externals. Installed camshaft and noticed 1 and 7 camshaft bushing in the head was tight. Removed camshaft and removed tight camshaft bushings and installed new ones. Reinstalled the camshaft and it installed nice and free. Timed and installed cam and idler gear. Resealed and installed the front gear cover. Resealed and installed injectors and tubes. Installed rocker shaft assemblies and torqued down to spec. Completed a valve set. Installed internal harness and valve cover. Installed fan hub, fan and shroud. Installed the rad assembly and recharged the ac. Replaced and resealed a new turbo and installed and calibrated the old actuator to the turbo. Put coolant back in and put 43 litres of new 15w40 with a new oil filter. Charged up batteries and started the engine. Engine ran with good oil pressure but noticed coolant leaking at the vent line at the surge tank. Seen surge line spout was melted and plugged off, so drilled a hole through the melted plastic to open it back up and reconnected the vent line. Washed off engine and ran it up to temp. Engine ran up to temp with no visible leaks.</p>	154.50	6,489.00

QTY	DESCRIPTION	RATE	AMOUNT
1	Parts: Inherent Core for TURBO NEW W/ACTUATOR	500.00	500.00
-1	Parts: Dirty Core for TURBO NEW W/ACTUATOR	500.00	-500.00
1	Parts: PISTON KIT, APR	1,007.25	1,007.25
1	Parts: O-RING, ISX Pickup Tube	14.84805	14.85
1	Parts: 2250/2350 HEAD GASKET KIT	899.71	899.71
2	Parts: PLUG, CAVITY	8.4372	16.87
1	Parts: CUMMINS HEAD	2,500.00	2,500.00
12	Parts: ISX MANIFOLD BOLT	12.43065	149.17
1	Parts: 150MM LINER KIT	324.46485	324.46
2	Parts: BUSHING	32.81265	65.63
1	Parts: ISX TURBO NEW WO/ACT	5,999.00	5,999.00
1	Parts: Inherent Core for ISX TURBO NEW WO/ACT	350.00	350.00
-1	Parts: Dirty Core for ISX TURBO NEW WO/ACT	350.00	-350.00
3	Parts: ALLAN HEAD SCREW	0.80936	2.43
1	Parts: ROUND THIN PLATE	20.00	20.00
1	Parts: ISX OIL FILTER	59.50	59.50
43	Parts: 15W40 DURON HP BULK OIL	5.0007	215.03
1	Supplies	500.00	500.00
SO: SO-11353; Unit: 476; Unit Type: Tractor; VIN: 1NKDX4TX3DR963424; Year/Make/Model: 2013 Kenworth T8 Series; Chassis: 523,977 Kilometers; Engine: 15,140 Hours;			

I hereby authorize the above repair work to be done along with the necessary material, and hereby grant you and/or your employees permission to operate the truck herein described on streets, highways, or elsewhere for the purpose of testing and/or inspecting.  
I agree to the payment terms as discussed with management of Triple Threat Diesel Inc. I and/or my company is responsible for the entirety of all payments associated with the work done for us, by Triple Threat Diesel Inc.

SUBTOTAL	18,262.90
GST @ 5%	913.15
TOTAL	19,176.05
BALANCE DUE	<b>CAD 19,176.05</b>

I agree to the terms of Triple Threat Diesel Inc. warranty policy.

Authorized by: \_\_\_\_\_