

Work Order Summary Report #: 16801**Booking Information**

Company: Foothills Tank Rentals **Estimate #:** M53236 **Priority Status:**
Owner/Contact: Travis Hubl **Salesperson:** Josh Bourne ☐ Standard ☐ Urgent
Contact Phone: 403-846-9863 **Mechanic:** ☐ Long Term ☐ Priority
Alt Phone: **Programmer:**
Booking Date: 1/8/2024 **Priority Status Note:**
Req. PU Date: 1/4/2024

Requested Shop Services

Dyno ☐ Service & Repair ☐ CVIP ☐
Check & Advise ☒ Service Call ☐ Expiry Date: _____
In-Frame ☐ Full Oil Change ☐
Grease Job ☐ Software Install ☐

Requested Tuning Services

In-House Tune ☐ Power & Perf. ☐
Online Tune ☐ **Power Adjustments**
Bench Tune ☐
Retune ☐ +/-

Vehicle Information

Unit #: _____ **Axel Type:** _____ **Tuning:** _____
Make: Kenworth **VIN:** 1NKDLB0X15R976811 **Mileage:** 169807.00 km
Model: T800 C15 **ESN:** BXS19170 **Engine Hours:** 24194.00
Engine: CAT **AVG. Haul Wgt:** _____ **MyGenius SN:** _____
Year: 2005 **Terrain Info:** _____
Transmission: Manual **CVIP Date:** _____ **EGR Active:** ☐ **APU Active:** ☐

Work Order Instructions

Instruction	Status	Date Completed
C&A INTERMITTENT JAKE ISSUE	Completed	01/10/2024
PLEASE SEE NOTES ABOVE	Completed	01/11/2024

Mechanical Notes

Date	Line #	Title	Description	Duration
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01/08/2024	43274	C&A- Jakes not working	Unit came in with the complaint of no jakes. Confirmed customer complaint, engine brakes would not engage in any level. Hooked up laptop and checked for codes found no active codes in the ECM. Monitored engine brake switched with CAT ET to verify that the switches were working. Found that when the switches were engaged there was no response from the ECM, unhooked OEM harness from the ECM and pinned out from the ECM to the switches found all 3 wires from the ECM were good. Plugged ECM back in and checked for powers and grounds to the switches found that the switch was getting proper power but not getting a ground when the when the switch is turned on. Used my power probe to supply the switch a good ground when turned on, while monitoring with CAT ET found that when i supplied a ground to the switch i could get the jakes to come on and function properly. I believe the problem is in the ECM not sending a ground to the jake circuit when engaged, found a blank test ECM and had Andy from tuning flash a base file in it. Installed units configuration file for the parameters and tested engine brakes, jakes work properly when the test ECM is on the truck. Advise replacing and reflashing the ECM.	4.67
01/10/2024	43323	ECM replacement	Hooked up CAT ET and saved the ECM replacement file, removed ECM and installed the new one. Had Andy flash factory file into the ECM and load in the ECM replacement file into the ECM. Started unit and verified that the cruise control and the engine brakes worked properly, parked unit outside for Chris to road test.	0.57
01/11/2024	43335	Bay Cleaning	Clean used shop bay	



INVOICE

G.A.P. Big Rig Power Inc.
15515 - 115 A Ave N.W.
Edmonton. AB T5M 3S7

SALES REP: Josh Bourne
EMAIL: josh@bigrigpower.com
PHONE: 780-851-3755

BILL TO	SHIP TO	DATE	INVOICE#	PO #	GST #
Foothills Tank Rentals	Foothills Tank Rentals	1/11/2024	38041		843079310
Travis Hubl	Travis Hubl				
Box 1421	Box 1421				
Rocky Mountian AB T4T 1B1	Rocky Mountian AB T4T 1B1				
Canada	Canada				
			SHIP VIA	Federal Express	
			TRACKING #		

UNIT VIN 1NKDLB0X15R976811 ESN BXS19170

BE ADVISED: ECM Tuning will not fix underlying mechanical issues.

DESCRIPTION	SERIAL NUMBER	QTY	RATE	AMOUNT
2005 KW T800 C15 - 1NKDLB0X15R976811				
Control GP E (ECM)		1.00	6,507.60	6,507.60
CAT Power & Performance Tune		1.00	150.00	150.00
Labour		5.24	155.00	812.20
Shop Supplies		1.00	64.98	64.98

Note: BRP is not liable for any ECM failures or replacements deemed necessary during or after tuning. Updating or Flashing an ECM programmed by BRP will be subject to a re-tuning fee. In addition, any adjustment to ECM Tuning performed after 30 days from the original Tuning Date may require additional charges at BRP's discretion. Any vehicle with 800,000+ KM or 13,000 engine hours will require an engine sign-off before work can commence. Upon completion, any vehicle that remains at BRP overnight or over an extended period will incur an additional \$40.00/day charge.

SUBTOTAL	7,534.78
TAX	376.74
PAYMENTS	0.00
TOTAL CAD	7,911.52

BALANCE 7,911.52