Customer's Name		Tax ID / GST

Invoice No.	Date:	Hour
	5/18/2020	**15:00:50**

International 3800, engine:V8, 7.3L

License plate	VIN	Number or name
	1HVBBABP0XH203205	

Total covered distance (mi)	Service hours
149451	**10865**

Systems detected	Communication
MID 128, Navistar, VT 365/T444E, DLC V8 (1998 - 2004), Electro-hydraulic injection system (HEUI)	J1708

VEHICLE INFORMATION	
Model Year	1999
Make	International
Model	3800
Engine Type	V8, 7.3L
Country	UNITED STATES
Assy. Plant	Springfield, OH
Production Seq. Number	203205
Check Digit	0
Drive Line Type	4x2
GVWR Class	Class 7: 26,001-33,000 lb
Manufacturer	Navistar International Transportation Corp.
Vehicle Type	Bus
Vehicle Class	City Transit Bus
Chassis	FBC Bus Chassis
Brake System	Hydraulic
Fuel Type	Diesel/NG
Engine Manufacturer	International
Engine Series Code	T444

MID 128, Navistar, VT 365/T444E, DLC V8 (1998 - 2004), Electro-hydraulic injection system (HEUI)

VIN CODE (VEHICLE IDENTIFICATION NUMBER): 1HVBBABP0XH203205

CONTROL UNIT SERIAL NUMBER: 0263043

REFERENCE NUMBER: PRC2AG00

ENGINE TYPE: 1999-T444

LIFE CYCLE CONSUMPTION: 20870.5 gal

TOTAL DISTANCE TRAVELED WITH THE ENGINE: 149451.5 mi

ENGINE OPERATION HOURS: 10865.2 h

READ FAULT CODES

0	Injection Control Pressure. Voltage below normal or shorted low. (PID:164 FMI:4)	ACTIVE FAULT	--
1	Injection Control Pressure. Out of Calibration, the component is not working properly. (PID:164 FMI:13)	ACTIVE FAULT	--
2	Engine Oil Pressure. Voltage below normal or shorted low. (PID:100 FMI:4)	ACTIVE FAULT	--
3	Exhaust Back Pressure Sensor. Mechanical system not responding correctly. (SID:34 FMI:7)	NON-ACTIVE FAULT	--
4	Exhaust Back Pressure Sensor. Out of Calibration, the component is not working properly. (SID:34 FMI:13)	NON-ACTIVE FAULT	--
5	Exhaust Back Pressure Sensor. Abnormal rate of change. (SID:34 FMI:10)	NON-ACTIVE FAULT	--
6	Injection Control Pressure. Valid data, but above normal operational range. (PID:164 FMI:0)	NON-ACTIVE FAULT	--

CLEAR FAULT CODES

ALL THE SUCCESSFULLY REPAIRED FAULT CODES WILL BE CLEARED FROM THE CONTROL UNIT MEMORY.

PROCESSING...

THE FAULT CODE DELETING PROCESS HAS FINISHED

SYSTEM DATA \ ECU DATA

VIN CODE (VEHICLE IDENTIFICATION NUMBER)	1HVBBABP0XH203205
ECU TYPE	DLC V8 (1998 - 2004)
CONTROL UNIT SERIAL NUMBER	0263043
REFERENCE NUMBER	PRC2AG00
TRANSMISSION TYPE DETECTION	ALLISON AT/MT
ECU SOFTWARE VERSION	0011170167010000
HARDWARE CODE	00111700
ENGINE, SERIAL NUMBER	74HM2U0948224
ENGINE TYPE	1999-T444
RATING FAMILY	2121
INDICATED POWER	190 HP
RATED ENGINE RPM	2300 rpm
LIFE CYCLE CONSUMPTION	20870.5 gal
TOTAL DISTANCE TRAVELED WITH THE ENGINE	149451.5 mi
ENGINE OPERATION HOURS	10865.2 h

MONITORING \ LIVE DATA SELECTION

POWER TAKE-OFF, REMOTE CONTROL (PRE-SELECTION)	NOT AVAILABLE
RSE (RADIATOR SHUTTER ENABLE)	NOT AVAILABLE
HEATER STATUS (INLET AIR)	NOT AVAILABLE
FAN STATE	NOT AVAILABLE
OIL CHANGE WARNING LAMP	NOT AVAILABLE

TORQUE SELECTOR	NOT AVAILABLE
STARTUP LOCKING SWITCH	NOT AVAILABLE
REGULATOR (ELECTRICAL CURRENT)	NOT AVAILABLE
POWER TAKE-OFF, REMOTE CONTROL	NOT AVAILABLE
TRANSFER CASE	ON
GENSET ENABLE ACTIVE STATUS	NOT AVAILABLE
REMOTE ACCELERATOR, STATE	NOT AVAILABLE
FUEL PUMP, CONTROL	NOT AVAILABLE
FUEL PUMP, STATE	NOT AVAILABLE
COOLANT LIQUID TEMPERATURE	131 °F
ENGINE SPEED	691 rpm
INJECTION PRESSURE CONTROL	16.7 %
INJECTION SIGNAL PULSE WIDTH	1122 µs
ENGINE INJECTION CONTROL PRESSURE (ICP), DESIRED PRESSURE	725 psi (lbf/in²)
INLET AIR TEMPERATURE	84 °F
ENGINE OIL TEMPERATURE	123 °F
CRUISE CONTROL SPEED CONFIGURED	0 mph
FUEL CONSUMPTION	0.14 gal/h
ENGINE TORQUE LIMITATION, FACTOR	89.5 %
TWO SPEED AXLE SWITCH	HIGH
SPEED LIMIT	70 mph
VEHICLE SPEED	0 mph
CRUISE CONTROL STATE	INACTIVE
CRUISE CONTROL SWITCH "SET"	OFF
CRUISE CONTROL SWITCH "RESUME"	OFF
CRUISE CONTROL SWITCH "SET +"	OFF
CRUISE CONTROL SWITCH "COAST"	OFF
CRUISE CONTROL SWITCH	ON
CRUISE CONTROL, CLUTCH SWITCH	ON
CRUISE CONTROL, BRAKE SWITCH	OFF
CRUISE CONTROL, SPEED LIMIT, MAXIMUM LIMIT	70 mph
CRUISE CONTROL, SPEED LIMIT, MINIMUM LIMIT	35 mph
POWER TAKE-OFF STATE, POWER TAKE-OFF MODE	INACTIVE
POWER TAKE-OFF STATE, CLUTCH	ON
POWER TAKE-OFF STATE, BRAKE	OFF
POWER TAKE-OFF STATE, ACCELERATOR	OFF
POWER TAKE-OFF STATE, RESUME	OFF
POWER TAKE-OFF STATE, DECELERATION SWITCH (COAST)	OFF

POWER TAKE-OFF STATE, CONFIGURATION	OFF
POWER TAKE-OFF STATE, POWER TAKE-OFF CONTROL	ON
THROTTLE POSITION	0 %
ENGINE LOAD	7 %
TURBO PRESSURE	0.5 psi (lbf/in²)
ATMOSPHERIC PRESSURE	13.937 psi (lbf/in²)
TRANSMISSION OUTPUT REVOLUTIONS	0 rpm
RATED ENGINE POWER	190 HP
BATTERY VOLTAGE	13.75 V
✔ [CORRECT]	
PTO (POWER TAKE-OFF) SET SPEED	0 rpm
IDLE REGULATION	---
RATED ENGINE RPM	2300 rpm
TOTAL FUEL USED	20870.625 gal
TOTAL DISTANCE (TOTAL DISTANCE TRAVELED WITH THE ENGINE)	149451.5 mi
ENGINE OPERATION HOURS	10865.8 h

MONITORING \ LIVE DATA SELECTION

TRANSFER CASE	ON
POWER TAKE-OFF, REMOTE CONTROL	NOT AVAILABLE
REGULATOR (ELECTRICAL CURRENT)	NOT AVAILABLE
GENSET ENABLE ACTIVE STATUS	NOT AVAILABLE
FUEL PUMP, STATE	NOT AVAILABLE
FUEL PUMP, CONTROL	NOT AVAILABLE
REMOTE ACCELERATOR, STATE	NOT AVAILABLE
HEATER STATUS (INLET AIR)	NOT AVAILABLE
RSE (RADIATOR SHUTTER ENABLE)	NOT AVAILABLE
POWER TAKE-OFF, REMOTE CONTROL (PRE-SELECTION)	NOT AVAILABLE
FAN STATE	NOT AVAILABLE
STARTUP LOCKING SWITCH	NOT AVAILABLE
TORQUE SELECTOR	NOT AVAILABLE
OIL CHANGE WARNING LAMP	NOT AVAILABLE
COOLANT LIQUID TEMPERATURE	137 °F
ENGINE SPEED	698 rpm

SYSTEM CHECKS \ ENGINE STARTED \ CYLINDER CONTRIBUTION

PLEASE, PAY SPECIAL ATTENTION!! *THE EXECUTION OF THE ACTUATION DEPENDS ON THE EXECUTION ORDER OF THE REST OF ACTUATIONS IN THE SYSTEM. MAKE SURE YOU START WITH THE ENGINE STANDARD ACTUATION.*

INITIAL CONDITIONS:

- COMPLETE THE ENGINE STANDARD ACTUATION (KOER) LOCATED IN THE ACTIONS MENU OF THE SYSTEM
- THE VEHICLE MUST BE STOPPED, THE ENGINE MUST BE STARTED AT IDLE AND THE PARKING BRAKE ACTIVATED.
- ACTIVE FAULTS ARE NOT ALLOWED IN THE SYSTEM
- COOLANT LIQUID TEMPERATURE > 170 °F (76 °C)

COOLANT LIQUID TEMPERATURE	139 °F
🔔 [ALARM] THE INITIAL CONDITIONS ARE NOT MET	
ENGINE SPEED	1347 rpm
🔔 [ALARM] THE INITIAL CONDITIONS ARE NOT MET	

SYSTEM CHECKS \ ENGINE STARTED \ CYLINDER CONTRIBUTION

PLEASE, PAY SPECIAL ATTENTION!! *THE EXECUTION OF THE ACTUATION DEPENDS ON THE EXECUTION ORDER OF THE REST OF ACTUATIONS IN THE SYSTEM. MAKE SURE YOU START WITH THE ENGINE STANDARD ACTUATION.*

INITIAL CONDITIONS:

- COMPLETE THE ENGINE STANDARD ACTUATION (KOER) LOCATED IN THE ACTIONS MENU OF THE SYSTEM
- THE VEHICLE MUST BE STOPPED, THE ENGINE MUST BE STARTED AT IDLE AND THE PARKING BRAKE ACTIVATED.
- ACTIVE FAULTS ARE NOT ALLOWED IN THE SYSTEM
- COOLANT LIQUID TEMPERATURE > 170 °F (76 °C)

COOLANT LIQUID TEMPERATURE	146 °F
🔔 [ALARM] THE INITIAL CONDITIONS ARE NOT MET	
ENGINE SPEED	696 rpm
✔ [CORRECT]	

Comments

Hours	Price / Hour	Net	TAX

Total	

STAMP AND SIGNATURE

Customer signature