Customer's Name	Tax ID / GST	In

Invoice No.	Date:	Hour
	3/4/2020	13:05:41

# Freightliner FLD120, engine:L6, 12.7L (775 CID)

License plate	VIN	Number or name
	1FUYDSZB9YPF04424	

Total covered distance (mi)	Service hours
2138163	75678

Systems detected	Communication
MID 128, Detroit Diesel, Model:6067BK60, Engine Control Module	J1708
MID 136, Meritor Wabco, ABS D/E SAE J1708, Antilock braking system	J1708

VEHICLE INFORMATION	
Model Year	2000
Make	Freightliner
Model	FLD120
Engine Type	L6, 12.7L (775 CID)
Country	UNITED STATES
Assy. Plant	Portland, OR
Production Seq. Number	F04424
Check Digit	9
Cab Type	Conventional Cab
Drive Line Type	6x4
GVWR Class	Class 8: 33,001 lb And Over
Manufacturer	Freightliner Corporation
Vehicle Type	Truck
Vehicle Class	Truck Tractor
Chassis	Truck-Tractor Chassis
Brake System	Air
Fuel Type	Diesel
Horsepower	460-605HP
Engine Manufacturer	Detroit Diesel
Engine Series Code	Series 60
Axle Configuration	Set Back Front Axle Position

# DDEC IV Series 50/60 (1998 - 2003), Engine Management System, Unit Injector System

VIN CODE (VEHICLE IDENTIFICATION NUMBER): 1FUYDSZB9YPF04424

MODEL: 6067BK60

ENGINE NUMBER: 06R0523129

CONTROL UNIT SERIAL NUMBER: VF603C1D

BRAND: DTDSC



SOFTWARE VERSION: 1042

6 Engine Oil Pressure. Valid data, but below in FMI:1) (VERY HIGH PRIORITY)	normal operational range. (PID:100	NON-ACTIVE FAULT	x4
FREEZE FRAME DATA			
BEGINNING OF THE FAULT	5561		
DATE - FIRST OCCURRENCE	29/1 dd:mm		
HOUR - FIRST OCCURRENCE	18:59 hh:mm		
END OF THE FAULT	8837		
DATE - LAST OCCURRENCE	18/2 dd:mm		
HOUR - LAST OCCURRENCE	9:36 hh:mm		
DURATION OF THE FAULT	60 s		
Coolant level. Valid data, but below normal {VERY HIGH PRIORITY}		NON-ACTIVE FAULT	x25
FREEZE FRAME DATA			
BEGINNING OF THE FAULT	62679		
DATE - FIRST OCCURRENCE	20/5 dd:mm		
HOUR - FIRST OCCURRENCE	18:25 hh:mm		
END OF THE FAULT	8910		
DATE - LAST OCCURRENCE	21/2 dd:mm		
HOUR - LAST OCCURRENCE	16:20 hh:mm		
DURATION OF THE FAULT	45435 s		
2 Fuel temperature. Voltage above normal or	shorted high. (PID:174 FMI:3)	NON-ACTIVE FAULT	х3
FREEZE FRAME DATA			
BEGINNING OF THE FAULT	2412		
DATE - FIRST OCCURRENCE	2/3 dd:mm		
HOUR - FIRST OCCURRENCE	22:17 hh:mm		
END OF THE FAULT	2432		
DATE - LAST OCCURRENCE	7/3 dd:mm		
HOUR - LAST OCCURRENCE	21:28 hh:mm		
DURATION OF THE FAULT	25 s		
3 Battery Potential (Voltage). Valid data, but t (PID:168 FMI:1)	pelow normal operational range.	NON-ACTIVE FAULT	x2
FREEZE FRAME DATA			
BEGINNING OF THE FAULT	5393		
DATE - FIRST OCCURRENCE	16/1 dd:mm		
HOUR - FIRST OCCURRENCE	11:40 hh:mm		
END OF THE FAULT	10141		
DATE - LAST OCCURRENCE	15/7 dd:mm		
HOUR - LAST OCCURRENCE	11:1 hh:mm		
	13145 s	<del></del>	

## **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

## **READ FAULT CODES**

ECU HAS NO FAULT CODES STORED IN MEMORY

SYSTEM DATA\ ECU DATA	
VIN CODE (VEHICLE IDENTIFICATION NUMBER)	1FUYDSZB9YPF04424
MANUFACTURER	DTDSC
MODEL	6067BK60
ENGINE NUMBER	06R0523129
CONTROL UNIT SERIAL NUMBER	VF603C1D
SOFTWARE VERSION	26.01
SHARED VERSION	4
EPA CERTIFICATION	1042

MONITORING \ LIVE DATA SELECTION	
TRANSMISSION RETARDER STATUS	OFF
FAN CONTROL OVERRIDE	ON
ENGINE BRAKE MEDIUM	OFF
ENGINE BRAKE LOW	OFF
LOW DDEC VOLTAGEWARNING (1)	ON
WARNING LAMP FOR LOW LEVEL OF COOLANT FLUID	ON
DRAIN VALVESTATE	NOT CONFIGURED
SYSTEM PRESSURE, CONFIGURATION	
DIFFERENTIAL PRESSURE, EXHAUST GAS RECIRCULATION SYSTEM (EGR)	
CRUISE CONTROL SPEED CONFIGURED	0 mph
FUEL CONSUMPTION	0.234 gal/h
PWM OUTPUT (PULSE WIDTH MODULATED SIGNAL) 2	0 %
PWM OUTPUT (PULSE WIDTH MODULATED SIGNAL) 4, FAN	0 %
PWM OUTPUT (PULSE WIDTH MODULATED SIGNAL) 1	0 %
PWM OUTPUT (PULSE WIDTH MODULATED SIGNAL) 3	0 %
REGULATOR/GOVERNOR TYPE	VARIABLE SPEED GOVERNOR CRUISE
PULSE WIDTH	2.5 °
SMOKE CONTROL	OFF
KNOCKING CONTROL, VOLTAGE	0 V
FUEL INJECTION PUMP, REAL VALUE	
MAIN INJECTION, AVERAGE	
SPEED ADJUSTMENT	
VARIABLE SPEED GOVERNOR, VALUE (COUNTS)	



SIGNAL OF THE ACCELERATOR PEDAL POSITION SENSOR 1 (COUNTS)	
VEHICLE SENSOR SUPPLY - 5V (1)	
"RTC" BATTERY	
SRS AIRBAG	YES
OPTIMIZED IDLE ALARM, STATE	NOT CONFIGURED
OPTIMIZED IDLE, STARTER RELAY	NOT CONFIGURED
OPTIMIZED IDLE, SYSTEM	NOT CONFIGURED
THERMOSTATHEATER, CONTROL	OFF
ENGINE, POWER REDUCTION	INACTIVE
KNOCKING CONTROL	NO
TORQUE LIMITER (AIR TEMPERATURE)	NO
SHIFT CONTROL SOLENOID VALVE	0
SHIFT CONTROL SOLENOID VALVE - STOP	0
SHIFT CONTROL SOLENOID VALVE - UNUSED	0
ENGINE VARIABLE GEOMETRY TURBOCHARGER 1 CONTROL MODE	
CRUISE CONTROL SWITCH "RESUME / SET"	OFF
FAN SWITCH	NOT CONFIGURED
CRUISE CONTROL SWITCH "RESUME / SET +"	OFF
INPUT SIGNAL (PIN F2)	ON
CLUTCH SWITCH	ON
SERVICE BRAKE SWITCH STATUS	ON
INPUT SIGNAL (PIN G1)	OFF
ENGINE BRAKE, DEACTIVATION	OFF
PROTECTION (EXTERIOR)	OFF
PARKING BRAKE SWITCH	ON
ENGINE BRAKE SWITCH "MEDIUM VALUE"	OFF
ENGINE BRAKE SWITCH "LOW VALUE"	OFF
CHECK ENGINE LAMP (1)	OFF
WARNING STOP ENGINE LIGHT (1)	OFF
VEHICLE POWER SHUTDOWN	ON
FAN CONTROL OVERRIDE	ON
ENGINE BRAKE MEDIUM (1)	OFF
ENGINE BRAKE LOW (1)	OFF
LOW DDEC VOLTAGEWARNING	
WARNING LAMP FOR LOW LEVEL OF COOLANT FLUI (1)	D
ENGINE BRAKE, ACTIVATION	
CHECK ENGINE LAMP	OFF



WARNING STOP ENGINE LIGHT	OFF
VEHICLE POWER SHUTDOWN	ON
ENGINE RPM	999 rpm
ACCELERATOR PEDAL POSITION	0 %
ENGINE LOAD	3.5 %
COOLANT LIQUID TEMPERATURE	172 °F
COOLANT FLUID LEVEL	100 %
WARNING LAMP STATE, PROTECTION LAMP	NOT AVAILABLE
WARNING LAMP STATE, ORANGE LAMP	OFF
WARNING LAMP STATE, RED LAMP	OFF
PARKING BRAKE SWITCH	ACTIVE
BRAKE SWITCH	NOT AVAILABLE
BRAKE PEDAL SWITCH	OFF
ENGINE TORQUE LIMITATION, FACTOR	100 %
IDLE SHUTDOWN TIMER	INACTIVE
IDLE SHUTDOWN TIMER, FUNCTION ENABLING	DISABLED (CALIBRATION)
IDLE SHUTDOWN TIMER, TIME OVERRIDE	INACTIVE
IDLE SHUTDOWN TIMER, ENGINE SHUT SIGNAL, IDLE SPEED CONDITION	NO
IDLE SHUTDOWN TIMER, ALARM	INACTIVE
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	OFF
CRUISE CONTROL, BRAKE SWITCH	OFF
CRUISE CONTROL, SPEED LIMIT, MAXIMUM LIMIT	76.5 mph
CRUISE CONTROL, SPEED LIMIT, MINIMUM LIMIT	20 mph
POWER TAKE-OFF STATE, POWER TAKE-OFF MODE	ACTIVE
POWER TAKE-OFF STATE, CLUTCH	OFF
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
ENGINE TORQUE	-40 lb-ft
ENGINE OIL PRESSURE	41.5 psi (lbf/in²)
TURBO PRESSURE	0 psi (lbf/in²)
INTAKE MANIFOLD ABSOLUTE PRESSURE	14.25 psi (lbf/in²)
ATMOSPHERIC PRESSURE	14.437 psi (lbf/in²)
ATMOSPHERIC PRESSURE (EXTENDED RANGE)	99.6 kPa
LIMIT SPEED GOVERNOR (LSG) DROOP RPM	124 rpm
ENGINE BRAKE STATE	OFF
ENGINE BRAKE, CYLINDER STATE (2)	INACTIVE
ENGINE BRAKE, CYLINDER STATE (3)	INACTIVE
ENGINE BRAKE, CYLINDER STATE (4)	INACTIVE
ENGINE BRAKE, CYLINDER STATE (6)	INACTIVE
ENGINE BRAKE, CYLINDER STATE (8)	INACTIVE
ENGINE RETARDER PERCENT	0 %
INSTANTANEOUSRANGE (2)	0 mpg
RANGE, AVERAGE FUEL CONSUMPTION	5.843 mpg
SPEED SENSOR, CALIBRATION DATA	30888 ppm (pulses per mile)
USAGE HOURS (POWER TAKE-OFF (PTO))	22328.75 h
INPUT SIGNAL 1, SIGNAL STATUS	OFF
INPUT SIGNAL 2, SIGNAL STATUS	OFF
INPUT SIGNAL 3, SIGNAL STATUS	NOT AVAILABLE
INPUT SIGNAL 4, SIGNAL STATUS	NOT AVAILABLE
INPUT SIGNAL 5, SIGNAL STATUS	NOT AVAILABLE
INPUT SIGNAL 6, SIGNAL STATUS	OFF
INPUT SIGNAL 7, SIGNAL STATUS	NOT AVAILABLE
INPUT SIGNAL 8, SIGNAL STATUS	NOT AVAILABLE
OUTPUT SIGNAL 1, SIGNAL STATUS	ON
OUTPUT SIGNAL 2, SIGNAL STATUS	NOT AVAILABLE
OUTPUT SIGNAL 3, SIGNAL STATUS	ON
OUTPUT SIGNAL 4, SIGNAL STATUS	ON
OUTPUT SIGNAL 5, SIGNAL STATUS	NOT AVAILABLE
OUTPUT SIGNAL 6, SIGNAL STATUS	NOT AVAILABLE
OUTPUT SIGNAL 7, SIGNAL STATUS	NOT AVAILABLE
OUTPUT SIGNAL 8, SIGNAL STATUS	NOT AVAILABLE
RATED ENGINE POWER	500 HP
BATTERY VOLTAGE	14.05 V
✓ [CORRECT]	
AMBIENT TEMPERATURE	92.5 °F
INTAKE AIR TEMPERATURE	95.25 °F

69.5 °F
165 °F
1000 rpm
600 rpm
2110 rpm
4935.375 gal
382392 gal
17099.75 gal
1094599.2 mi
2138163.3 mi
75679.45 h
36427.45 h
12:43:4.75

### SYSTEM CHECKS \ MANUAL CYLINDER CUT-OUT \ 1000 RPM SPEED

#### **INITIAL CONDITIONS:**

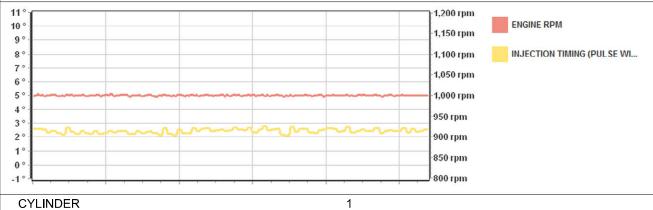
- ENGINE STARTED
- PARKING BRAKE ACTIVATED
- GEAR SHIFT IN NEUTRAL POSITION

SEE ACTION HELP

#### PROCESSING...

TAKE INTO ACCOUNT THAT THE PROCESS IS PERFORMED FOLLOWING THE CYLINDERS FIRING ORDER: 1-5-3-6-2-4

SELECT THE CYLINDER WHICH YOU WANT TO ACTUATE

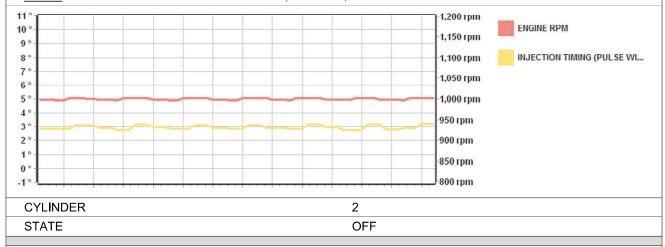




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SELECT THE CYLINDER WHICH YOU WANT TO ACTUATE

NOTE: DEPENDING ON THE CONTROL UNIT, THE REQUESTED RPM MAY NOT BE REACHED

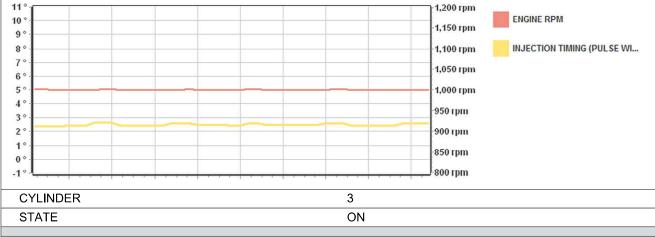


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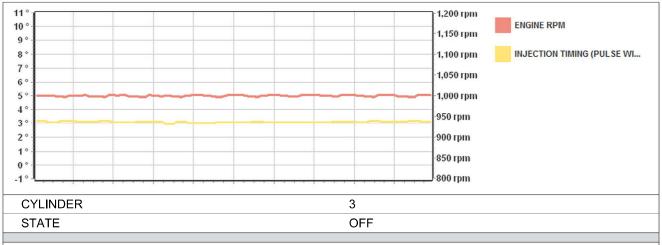
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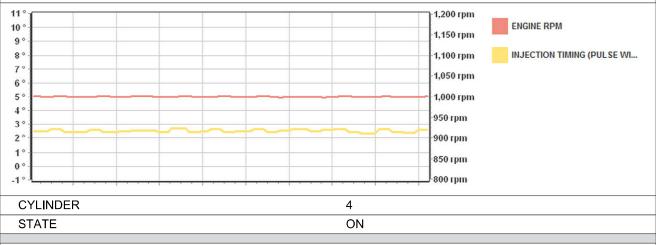


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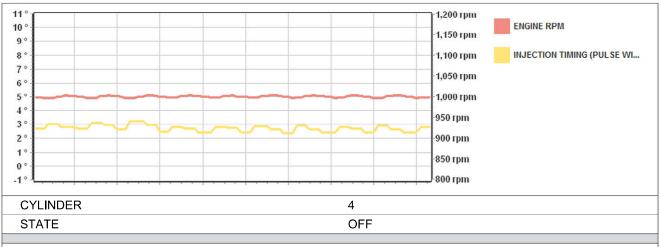
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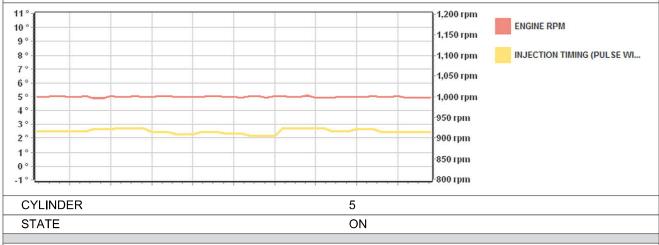


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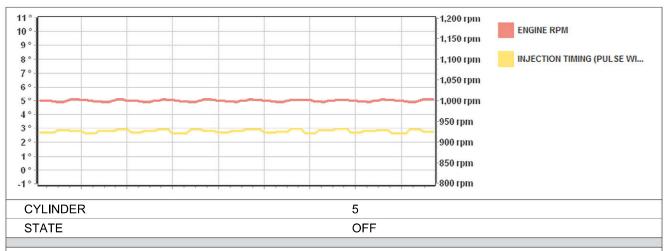
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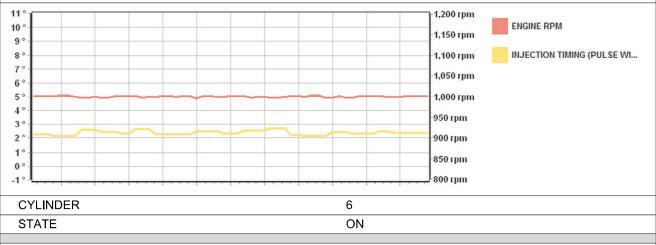


PROCESSING...

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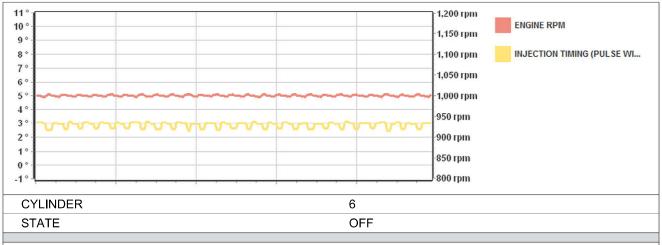
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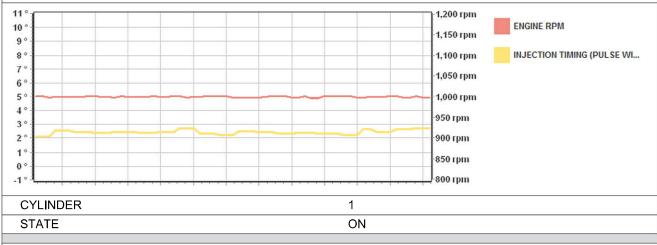


PROCESSING...

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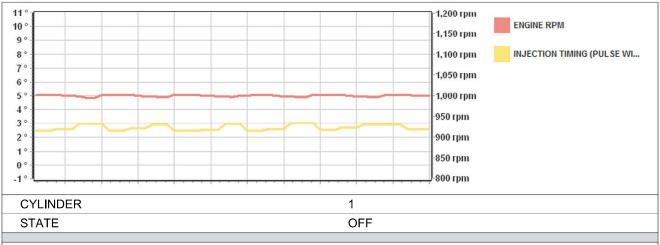
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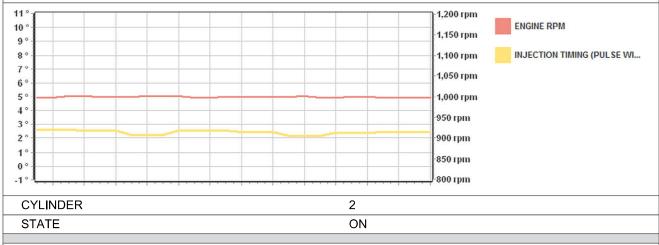


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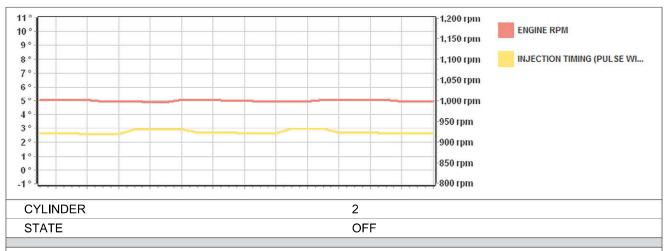
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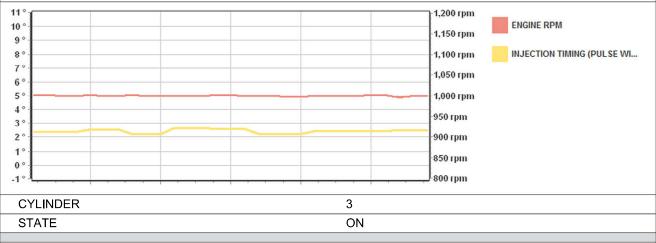


PROCESSING...

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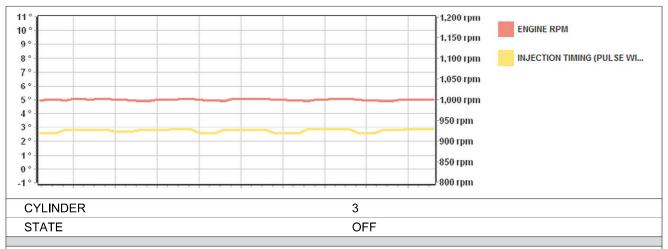
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PROCESSING...

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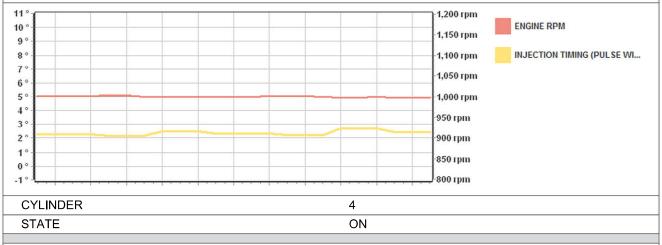


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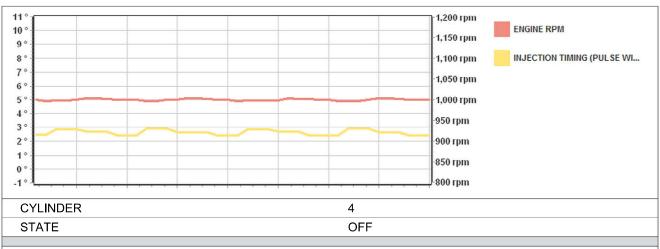
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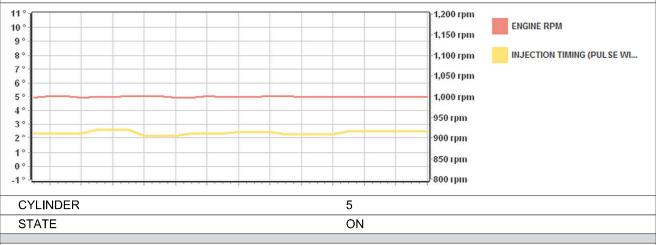


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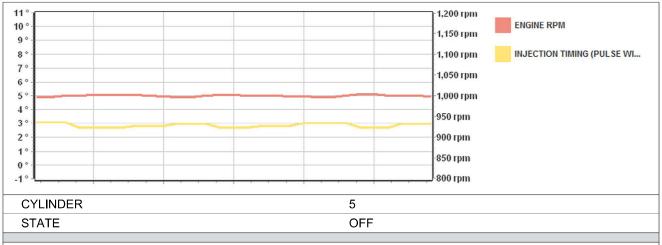
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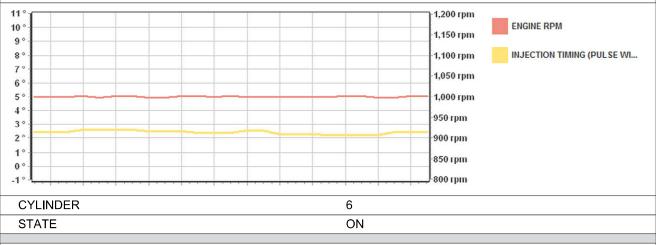


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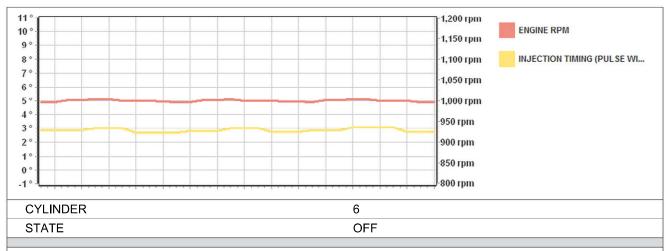
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PROCESSING...

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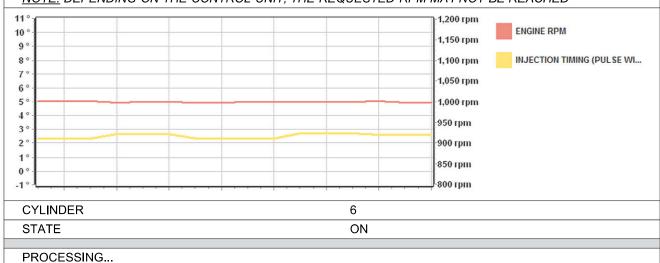
SELECT THE CYLINDER WHICH YOU WANT TO ACTUATE



#### PROCESSING...

TAKE INTO ACCOUNT THAT THE PROCESS IS PERFORMED FOLLOWING THE CYLINDERS FIRING ORDER: 1 - 5 - 3 - 6 - 2 - 4

SELECT THE CYLINDER WHICH YOU WANT TO ACTUATE





Comments					
Hours	Price / Hour	Net			TAX
		Total			
STAMP AND SIGNATURE		(	Custome	r signature	