

[REDACTED]  
[REDACTED]  
[REDACTED]

[REDACTED]

WorkOrder Information

[REDACTED]  
[REDACTED]

Status Good

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Engine Seri 46982886  
Engine Mak CMMNS  
Engine Mod 6CTAA8.3-E  
ECM Serial 34124122  
Vehicle ID 442218  
Vehicle Unit Number  
Vehicle Mal KENWORTH  
Vehicle Mo T358  
Vehicle Odr Enter Vehicle Mileage

[REDACTED]

[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]  
[REDACTED]

Features and Parameters  
ISC / Transit Bus ISL8.3 - CM850  
CM850

System ID and Dataplate

System ID and Dataplate - Calibration Information

Calibration 6040232

Calibration Time/Date Stamp

Calibration 0 V

Calibration 0 V

DO Option 90651

ECM Code W90437.01

Other Options

SC Option 97763

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED] - ECM Information

ECM Name DH

ECM Optior CMMNS

ECM Part N 4921776

ECM Serial 34124122

ECM Voltag 0 V

ECM Voltag 0 V

System ID and Dataplate - Engine Information

Engine Buil 21009

Engine Mak CMMNS

Engine Mod 6CTAA8.3-E

Engine Seri 46982886

System ID and Dataplate - System Information

Advertised 315 hp

Advertised 2000 RPM

Control Par 8698

Fuel Code FP91022

Governed S 2200 RPM

Peak Torqu 1288 N\*m

Peak Torqu 1300 RPM

Torque Rise 0 Percent

System ID and Dataplate - Vehicle/OEM Information

OEM Name KENWORTH

OEM Vehicl T358

Vehicle Idei 442218

Vehicle or E 4-Oct

Accelerator Disable

Adaptive Cr Disable

Adjustable Low Idle Speed

Low Idle Sp 650 RPM

Low Idle Sp Enable

Battery Volt Disable

Cruise Con Enable

Cruise Con Disable

Cruise Con 5 km/hr

Cruise Con Enable

Cruise Con 0 km/hr

Maximum C 100 km/hr

Parking Bra Disable

Cruise Control Switch Setup

Cruise Swit Set/Coast (Resume/Accelerate)

Engine Brak Enable

Cruise Con Enable

Discrete En Disable

Engine Brak 0 s

Engine Brak 0 km/hr

Engine Brak Exhaust Brake AND/OR Variable Geometry Turbo

Service Bra Disable

Start Maxim 11.3 km/hr

Start Minim 9.7 km/hr

Engine Coo Installed

Engine Protection

Engine Prot Enable

Engine Prot Disable

Engine Prot Disable

Fan Contro Enable

Air Conditic Enable

Fan Contro 0V ON

Fan Contro Enable

Fan on with Disable

Fan on With Enable

Minimum F 60 s

OEM Pressr Disable

OEM Tempr Disable

Vehicle Spc Disable

Fan Contro On/Off

Fast Idle W: Enable

Fast Idle W: 1200 RPM

Fast Idle W: 10 Percent

Gear-Down Enable  
Gear-Down 100 km/hr  
Gear-Down 100 km/hr

Generic Tor Enable  
J1939 Servi Disable  
J1939 Stop Enable  
J1939 Trip F Disable

Governor Type  
Governor Ty Automotive  
Governor Ty Disable

Grid Heater Enable

Idle Shutdo Disable

Maintenanc Disable

Powertrain Disable

PTO / Remote PTO  
Maximum v 10 km/hr  
Service Bra Enable  
PTO / Remc Enable  
Accelerator Enable  
Alternate P Disable  
Clutch Ove Enable  
Maximum E 1627 N\*m  
Maximum F 1800 RPM  
Minimum P 700 RPM  
Number of 1  
PTO Accele 2000 RPM  
PTO Active Disable  
PTO Additic 1000 RPM  
PTO Ramp l 100 rpm/s  
PTO Resum 900 RPM  
PTO Set Sw 1200 RPM  
PTO with Pz Disable  
PTO Zero V Disable  
Remote Set 700 RPM  
PTO / Remote PTO - PTO/Remote PTO - Multiple PTO Trip Information  
PTO Speed PTONAME1  
PTO Speed PTONAME2  
PTO Speed PTONAME3  
PTO Speed PTONAME4  
PTO Speed PTONAME5  
PTO Speed PTONAME6

PTO Speed PTONAME7

PTO Speed PTONAME8

Remote Acc Enable

Remote Acc Disable

Road Speed Governor

Road Speed Enable

Maximum A 100 km/hr

Maximum v 100 km/hr

Road Speed 5 km/hr

Road Speed 0 km/hr

Road Speed Disable

SAE J1939 I Disable

Starter Lock Disable

Switched M Enable

Maximum C Active Open

Maximum S 2200 RPM

Transmittor Enable

Clutch Ped. Installed

Gear Down 0.75

Top Gear Tr 0.65

Transmittor None

Transmittor Automatic

Trip Inform: Enable

ECM Distan 0 km

ECM Hours 0 hrs

Engine Dist 0 km

Engine Time 0 hrs

Vehicle Over 105 km/hr

Vehicle Over 113 km/hr

Vehicle Acc Disable

Vehicle Elec Enable

Vehicle Elec 12 Volt

Vehicle Sp: Enable

Vehicle Sp: Low

Vehicle Sp: Enable

Digital Puls 30000

Maximum E Droop Added to Engine Speed

Maximum E 2000 RPM  
Number of 16  
Rear Axle R 6.17  
Tire Size 315 revs/km  
Two Speed Disable  
Vehicle Spe Magnetic

Water In Fu Installed

#### Trip Information

#### All Trips (Cumulative)

#### All Trips (Cumulative) - Distance

Total ECM 620026.7 km  
Total Engi 33630.7 km  
Total Engi 619991.3 km  
Total Serv 45223.3 km

#### All Trips (Cumulative) - Fuel Used

Total Crui 5513.8 L  
Total Fuel 326989.6 L  
Total Gea 45313.7 L  
Total Idle 34054.7 L  
Total Max 21180.9 L  
Total PTO 28357.7 L  
Total Top 119767 L

#### Fuel

PTO Devic 5220 L  
PTO Devic 23121 L  
PTO Devic 19 L  
PTO Devic 0 L  
PTO Devic 0 L  
PTO Devic 0 L  
PTO Devic 0 L  
PTO Devic 0 L

#### Fuel - Time

PTO Devic 808 hrs  
PTO Devic 3632 hrs  
PTO Devic 2 hrs

PTO Devic	0 hrs
PTO Devic	0 hrs
PTO Devic	0 hrs
PTO Devic	0 hrs
PTO Devic	0 hrs

#### All Trips (Cumulative) - Other

Total Aver	1053 RPM
Total Aver	53.5 L/100 km
Total Engi	454430
Total Engi	0

#### All Trips (Cumulative) - Time

Total Crui	1609.5 hrs
Total ECM	28609.5 hrs
Total Engi	668.5 hrs
Total Engi	28535.3 hrs
Total Gea	2391.2 hrs
Total Idle	11552.2 hrs
Total Max	6087 hrs
Total PTO	4443.3 hrs
Total Serv	1791.6 hrs
Total Top	4012.2 hrs

#### Trip Since Last Reset

#### Trip Since Last Reset - Distance

Active Sei	45223.3 km
Cruise Cc	15305.2 km
Engine Br	33630.7 km
Maximurr	61656 km
Trip Dista	619991.3 km
Trip Gear	135404.8 km
Trip Perce	0 Percent
Trip Perce	0 Percent
Trip Top C	350532.2 km
Vehicle O	430.8 km
Vehicle O	8.9 km

#### Trip Since Last Reset - Fuel Used

Cruise Cc	5513.8 L
Maximurr	21180.9 L
PTO Fuel	28357.7 L
Trip Avera	52.767 L/100 km

Trip Average 11.4 L/hr  
Trip Drive 42.668 L/100 km  
Trip Drive 264576.8 L  
Trip Fuel I 326989.6 L  
Trip Gear 45313.7 L  
Trip Idle F 34054.7 L  
Trip Top C 119767 L  
Vehicle O 1.1 L  
Vehicle O 0 L

Trip Since Last Reset - Multiple PTO

PTO Device PTONAME1  
PTO Device PTONAME2  
PTO Device PTONAME3  
PTO Device PTONAME4  
PTO Device PTONAME5  
PTO Device PTONAME6  
PTO Device PTONAME7  
PTO Device PTONAME8

Trip Since Last Reset - Multiple PTO - Fuel

PTO Device 5220 L  
PTO Device 23121 L  
PTO Device 19 L  
PTO Device 0 L  
PTO Device 0 L  
PTO Device 0 L  
PTO Device 0 L  
PTO Device 0 L

Trip Since Last Reset - Multiple PTO - Time

PTO Device 808 hrs  
PTO Device 3632 hrs  
PTO Device 2 hrs  
PTO Device 0 hrs  
PTO Device 0 hrs  
PTO Device 0 hrs  
PTO Device 0 hrs  
PTO Device 0 hrs

Trip Since Last Reset - Other

Engine Br 454430  
Engine Pr 0  
Maximum 2 Percent



Service B	1294720
Trip Avera	49.4 km/hr
Trip Avera	1053 RPM
Trip Avera	56.5 km/hr
Trip Avera	87.2 km/hr
Trip Avera	23 km/hr
Trip Maxir	2910 RPM
Trip Maxir	166 km/hr

Trip Since Last Reset - Time

Cruise Cc	1609.5 hrs
Engine Br	668.5 hrs
Engine Br	2.3 Percent
Fan On Ti	10954.3 hrs
Fan Time	2732.3 hrs
Fan Time	477.7 hrs
Fan Time	7742.9 hrs
Fan Time	3307.1 hrs
Fan Time	7645.9 hrs
Maximur	608.7 hrs
Percent T	40.4 Percent
Percent T	0.6 Percent
Percent T	15.5 Percent
Percent T	14 Percent
Percent T	8.3 Percent
PTO Time	4443.3 hrs
Trip Gear	2391.2 hrs
Trip Idle T	11552.2 hrs
Trip Perce	2.4 Percent
Trip Perce	56.5 Percent
Trip Perce	21.8 Percent
Trip Perce	38.3 Percent
Trip Perce	9.5 Percent
Trip Perce	1.6 Percent
Trip Perce	27.1 Percent
Trip Perce	11.5 Percent
Trip Perce	26.7 Percent
Trip Servi	1791.6 hrs
Trip Time	28535.3 hrs
Trip Top C	4012.2 hrs
Vehicle O	4 hrs
Vehicle O	0 hrs

ECM Diagnostic Tests

Cylinder Cutout Test

Cylinder Performance Test

EFC Actuator Override  
EGR Valve / Turbocharger Operational Test  
Engine State Monitor  
Fan Override Test  
Fast Idle Warmup Test  
Fuel Lift Pump Override  
Fuel System Leakage Test  
Intake Air Heater Override  
SAE J1939 Datalink Control Test  
Setup for Dynamometer  
Switch and Sensor Intermittent Connection Test  
Turbocharger Actuator Test

#### Data Monitors

Accelerator Locked  
Accelerator 0.52 V  
Adjusted Tilt 315 revs/km  
Air Condition Off  
Amber War Off  
Anti-theft S Unlocked  
Barometric 3.39 V  
Barometric 92.1 kPa  
Battery Volt 12.56 V  
Brake Pedal Released  
Calibration 6040232  
Camshaft F 599 RPM  
Camshaft F Triggered  
Clutch Pedal Released  
Commanded 8.14 L/hr  
Cruise Control On  
Cruise Control 0 km/hr  
Cruise Control Neutral  
Current Mile 0 km  
Cylinder 1 OK  
Cylinder 2 OK  
Cylinder 3 OK  
Cylinder 4 OK  
Cylinder 5 OK  
Cylinder 6 OK  
Diagnostic Off  
ECM Time 28619:18:4HH:MM:SS  
EFC Actuator 1.43 A  
EFC Actuator 41 Percent  
EFC Actuator 1.43 A  
Electric Fuel 0 A  
Electric Fuel 0 Percent  
Engine Brake Inactive

Engine Brake Inactive  
Engine Brake 100 Percent  
Engine Coolant OK  
Engine Coolant 82.2 °C  
Engine Coolant 0.85 V  
Engine Hours 28535:56:2 HH:MM:SS  
Engine Oil Filter 1.73 V  
Engine Oil Filter 167.5 kPa  
Engine Speed 602 RPM  
Engine Speed Triggered  
Engine Torque Off  
Exhaust Gas 109 °C  
Fan Control 0 Percent  
Fan Control On  
Fast Idle Warning Inactive  
Fuel Rail Pressure 493 bar  
Fuel Rail Pressure 495.1 bar  
Fuel Rail Pressure 1.59 V  
Gear-Down Active-Heat  
Governor Type Automotive  
Idle Validation Idle  
Injector Control 50 V  
Injector Control 49.8 V  
Intake Manifold 23.8 °C  
Intake Manifold 3.36 V  
Intake Manifold 1 kPa  
Intake Manifold 1 Percent  
Intake Manifold 0.91 V  
J1939 Broadcast On  
J1939 Engine Transmittion  
J1939 Engine Inactive  
J1939 Engine 0  
J1939 Retard None  
J1939 Retard Inactive  
J1939 Stop 0  
J1939 Stop 0  
J1939 Stop 0  
Keyswitch On  
Keyswitch C 19659  
Keyswitch C 20712  
Load Base Inactive  
Low Idle Ad Neutral  
Maximum C On  
Percent Acceleration 0 Percent  
Percent Fuel 3 Percent  
Percent Retard 0 Percent  
Pilot Fuel In On  
Powertrain 1695 N\*m

PTO Additic Off  
 PTO ON/OF On  
 PTO Refere 600 RPM  
 PTO Set / R Neutral  
 PTO Status Inactive  
 Rear Axle R Low  
 Red Stop L Off  
 Remote Acc Off  
 Remote PT Off  
 Starter Locl Closed  
 Turbocharg 0 Percent  
 Turbocharg 19 °C  
 Turbocharg 3.5 V  
 User Fuelin Low Speed  
 Vehicle Acc 0 kph/s  
 Vehicle Spe 0 km/hr  
 Wait To Sta Off  
 Water In Fu 423:49:17 HH:MM:SS  
 Water In Fu No  
 Water In Fu 25757:24:3 HH:MM:SS

Fault Information

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI
CM850	ECM Time	28619:18:43		HH:MM:SS				
	Engine Hou	28535:56:23		HH:MM:SS				
	Keyoffs	19659						
196	Inactive	224	Amber	Coolant Lev	111		4	4
235	Inactive	56	Red	Coolant Lev	111		1	1
1117	Inactive	17	None	Power Lost With Ignitio		251	2	2
2216	Inactive	1	Amber	Fuel Pump	94		0	16
2215	Inactive	2	Amber	Fuel Pump	94		1	18

Fault Snapshot

Fault Code	Status	Count	Lamp	Description	PID	SID	J1587 FMI	J1939 FMI
	Fault Paran	First	Last	Units				
CM850	ECM Time	28619:18:43		HH:MM:SS				
	Engine Hou	28535:56:23		HH:MM:SS				
	Keyoffs	19659						
196	Inactive	224	Amber	Coolant Lev	111		4	4
	ECM Time	28063:13:2	28618:25:4	HH:MM:SS				
	Accelerator	Unlocked	Unlocked					
	Air Conditic	Off	Off					
	Barometric	94.1	94.5	kPa				

Battery Volt	12.94	12.5 V			
Brake Peda Released	Released				
Clutch Ped: Released	Released				
Commande	22.01	30.26 L/hr			
Commande	87	10 Percent			
Cruise Con: On	On				
Diagnostic ` Off	Off				
EFC Actuat	1.33	1.28 A			
EFC Actuat	1.32	1.27 A			
Electric Fue	0	0 A			
Engine Coo	20.9	82.3 °C			
Engine Hou	27983:30:5	28535:03:2	HH:MM:SS		
Engine Oil F	532.3	410.9 kPa			
Engine Prot On	On				
Engine Spe	898	1318 RPM			
Exhaust Ga	276	343 °C			
Fan Contro On	On				
Fuel Rail Pr	624	628 bar			
Fuel Rail Pr	622.4	665.3 bar			
Idle Validat Off Idle	Idle				
Injector Cap	50.1	49.9 V			
Intake Mani	16.4	16.3 °C			
Intake Mani	2.7	55.5 kPa			
Keyswitch On	On				
Low Idle Ad Neutral	Neutral				
Percent Acc	0	3.1 Percent			
Percent Fue	24	29 Percent			
Remote Acc Off	Off				
Turbocharg	0	0 Percent			
Turbocharg	12	17 °C			
Turbocharg	20	71 °C			
Turbocharg	0	0			
Turbocharg	23128	64872 RPM			
User Fuelin PTO	Automotive				
Vehicle Spe	0	21 km/hr			
Water In Fu No	No				
235 Inactive	56 Red	Coolant Lev	111	1	1
ECM Time	28567:14:2	28617:49:4	HH:MM:SS		
Accelerator Unlocked	Unlocked				
Air Conditic Off	Off				
Barometric	94.5	94.5 kPa			
Battery Volt	10.31	12.13 V			
Brake Peda Released	Released				
Clutch Ped: Released	Released				
Commande	4.54	14.45 L/hr			
Commande	87	87 Percent			
Cruise Con: On	On				
Diagnostic ` Off	Off				

EFC Actuat	1.48	1.37 A			
EFC Actuat	1.45	1.38 A			
Electric Fue	0.3	0.2 A			
Engine Coo	7.8	7.1 °C			
Engine Hou	28484:13:0	28534:27:2	HH:MM:SS		
Engine Oil F	529.5	539.9 kPa			
Engine Prot	On				
Engine Spe	588	599 RPM			
Exhaust Ga	285	299 °C			
Fan Contro	On				
Fuel Rail Pr	506	513 bar			
Fuel Rail Pr	525.3	507.6 bar			
Idle Validat	Off	Idle			
Injector Caj	49.9	49.8 V			
Intake Mani	20.9	19.3 °C			
Intake Mani	0	0 kPa			
Keyswitch	On	On			
Low Idle Ad	Neutral	Neutral			
Percent Acc	0	0 Percent			
Percent Fue	28	30 Percent			
Remote Acc	Off				
Turbocharg	0	0 Percent			
Turbocharg	15	9 °C			
Turbocharg	19	13 °C			
Turbocharg	0	0			
Turbocharg	15944	14768 RPM			
User Fuelin	Low Speed	Low Speed			
Vehicle Spe	0	0 km/hr			
Water In Fu	No	No			
1117 Inactive	17	None	Power Lost With Ignitio	251	2 2
ECM Time	28582:46:1	28614:55:4	HH:MM:SS		
Accelerator	Unlocked	Unlocked			
Air Conditio	Off	Off			
Barometric	95.2	93.5 kPa			
Battery Volt	0	9.69 V			
Brake Peda	Released	Released			
Clutch Peda	Released	Released			
Commande	0	5.4 L/hr			
Commande	50	53 Percent			
Cruise Con	Off	On			
Diagnostic	Off	On			
EFC Actuat	1.7	1.47 A			
EFC Actuat	0	0 A			
Electric Fue	0	0 A			
Engine Coo	8.6	9 °C			
Engine Hou	28499:44:0	28531:42:5	HH:MM:SS		
Engine Oil F	0	0 kPa			
Engine Prot	Off	On			

Engine Spe	0	0 RPM			
Exhaust Ga	-18	13 °C			
Fan Contro	Off	Off			
Fuel Rail Pr	0	376 bar			
Fuel Rail Pr	0	0 bar			
Idle Validat	Idle	Off Idle			
Injector Caj	0	0 V			
Intake Mani	12.2	12.8 °C			
Intake Mani	0	0 kPa			
Keyswitch	Off	On			
Low Idle Ad	Neutral	Neutral			
Percent Acc	0	0 Percent			
Percent Fue	0	1 Percent			
Remote Acc	Off	On			
Turbocharg	0	0 Percent			
Turbocharg	10	11 °C			
Turbocharg	-18	11 °C			
Turbocharg	0	0			
Turbocharg	0	14648 RPM			
User Fuelin	None	Engine Stop			
Vehicle Spe	0	0 km/hr			
Water In Fu	No	No			
2216 Inactive	1 Amber	Fuel Pump	94	0	16
ECM Time	28614:09:4	28614:09:4	HH:MM:SS		
Accelerator	Unlocked	Unlocked			
Air Conditio	Off	Off			
Barometric	93.8	93.8 kPa			
Battery Volt	13.13	13.13 V			
Brake Peda	Released	Released			
Clutch Ped:	Released	Released			
Commande	0	0 L/hr			
Commande	87	87 Percent			
Cruise Con	On	On			
Diagnostic	Off	Off			
EFC Actuat	1.7	1.7 A			
EFC Actuat	1.7	1.7 A			
Electric Fue	0	0 A			
Engine Coo	47.2	47.2 °C			
Engine Hou	28530:56:5	28530:56:5	HH:MM:SS		
Engine Oil F	374.4	374.4 kPa			
Engine Prot	On	On			
Engine Spe	601	601 RPM			
Exhaust Ga	143	143 °C			
Fan Contro	On	On			
Fuel Rail Pr	493	493 bar			
Fuel Rail Pr	730.5	730.5 bar			
Idle Validat	Off Idle	Off Idle			
Injector Caj	50.1	50.1 V			

Intake Mani	17.7	17.7 °C			
Intake Mani	0.3	0.3 kPa			
Keyswitch	On	On			
Low Idle Ad	Neutral	Neutral			
Percent Acc	0	0 Percent			
Percent Fue	7	7 Percent			
Remote Acc	Off	Off			
Turbocharg	0	0 Percent			
Turbocharg	16	16 °C			
Turbocharg	22	22 °C			
Turbocharg	0	0			
Turbocharg	18408	18408 RPM			
User Fuelin	Low Speed	Low Speed			
Vehicle Spe	0	0 km/hr			
Water In Fu	No	No			
2215 Inactive	2 Amber	Fuel Pump	94	1	18
ECM Time	28610:32:4	28613:41:4	HH:MM:SS		
Accelerator	Unlocked	Unlocked			
Air Conditic	Off	Off			
Barometric	94.5	94.1 kPa			
Battery Volt	12.5	7.44 V			
Brake Peda	Depressed	Released			
Clutch Peda	Released	Released			
Commande	56.05	76.04 L/hr			
Commande	87	87 Percent			
Cruise Con	On	On			
Diagnostic	Off	Off			
EFC Actuat	1.17	1.09 A			
EFC Actuat	1.18	1.08 A			
Electric Fue	0	0.2 A			
Engine Coo	99.1	2.4 °C			
Engine Hou	28527:25:0	28530:29:0	HH:MM:SS		
Engine Oil F	88.9	0.7 kPa			
Engine Prot	On	On			
Engine Spe	480	97 RPM			
Exhaust Ga	836	332 °C			
Fan Contro	On	On			
Fuel Rail Pr	620	451 bar			
Fuel Rail Pr	55	35.8 bar			
Idle Validat	Idle	Off Idle			
Injector Cap	49.9	49 V			
Intake Mani	33.1	13.3 °C			
Intake Mani	2.4	0 kPa			
Keyswitch	On	On			
Low Idle Ad	Neutral	Neutral			
Percent Acc	5.3	0 Percent			
Percent Fue	80	48 Percent			
Remote Acc	Off	Off			



Turbocharg	0	0 Percent
Turbocharg	32	4 °C
Turbocharg	38	9 °C
Turbocharg	0	0
Turbocharg	20952	15240 RPM
User Fuelin Air Fuel Cor Crank State		
Vehicle Spe	10	0 km/hr
Water In Fu No		No

Audit Trail

Record Nur	Tool Name	Tool ID	User Type	User ID	ECM Time ( ECM Real Time
1	INSITE	8.09E+11	Software	DFAB7F7E	28061:43:2 Not Applicable
					027 - Reset Fault Codes
2	INSITE	8.09E+11	Software	F8A9EEC5	28061:07:3 Not Applicable
					027 - Reset Fault Codes
3	INSITE	8.09E+11	Software	F8A9EEC5	28059:53:5 Not Applicable
					027 - Reset Fault Codes
4	INSITE	8.08E+11	Software	F8A9EEC5	26793:12:2 Not Applicable
					027 - Reset Fault Codes

SAE J1939 Powertrain Control

Event	Source	Destination Modes	ECM Time( ECM Real T	Duration
Newest	Transmissi	Engine Speed/Tor	28616:22:2 Not Applica	0:00:03
2	Transmissi	Engine	28609:59:5 Not Applica	0:00:00
3	Transmissi	Engine	28609:59:4 Not Applica	0:00:00
4	Transmissi	Engine	28590:27:4 Not Applica	0:00:00
Oldest	Transmissi	Engine	28589:03:1 Not Applica	0:00:00

ECM Time ( 28619:18:43

Maintenance Monitor

This feature is not supported in the current calibration

Engine Abuse History

Engine Oil F	0:00:00	HH:MM:SS
Engine Oil F 83 - 55		kPa
Engine Oil F	0:00:00	HH:MM:SS
Engine Oil F 55 - 34		kPa
Engine Oil F	0:00:00	HH:MM:SS
Engine Oil F < 5		kPa
Engine Oil F	0:00:00	HH:MM:SS
Engine Oil F < 83		kPa

Engine spec 0:00:00 HH:MM:SS

Engine Ove 2700 - 2800 RPM  
 Engine speed 0:00:00 HH:MM:SS  
 Engine Ove 2800 - 2900 RPM  
 Engine speed 0:00:00 HH:MM:SS  
 Engine Ove > 2900 RPM  
 Engine speed 0:00:00 HH:MM:SS  
 Engine Ove > 2700 RPM

Engine Cool 13228:11:0 HH:MM:SS  
 Engine Cool 82 - 93 °C  
 Engine Cool ##### HH:MM:SS  
 Engine Cool 93 - 104 °C  
 Engine Cool 1:47:46 HH:MM:SS  
 Engine Cool > 220 °C  
 Engine Cool 17902:48:2 HH:MM:SS  
 Engine Cool > 82 °C

Intake Manifold 0:00:41 HH:MM:SS  
 Intake Manifold 82 - 93 °C  
 Intake Manifold 0:00:00 HH:MM:SS  
 Intake Manifold 93 - 104 °C  
 Intake Manifold 0:00:00 HH:MM:SS  
 Intake Manifold > 220 °C  
 Intake Manifold 0:00:41 HH:MM:SS  
 Intake Manifold > 82 °C

Engine Oil Temp 13230:56:2 HH:MM:SS  
 Engine Oil Temp 82 - 93 °C  
 Engine Oil Temp ##### HH:MM:SS  
 Engine Oil Temp 93 - 104 °C  
 Engine Oil Temp 1:47:35 HH:MM:SS  
 Engine Oil Temp > 220 °C  
 Engine Oil Temp 17906:28:5 HH:MM:SS  
 Engine Oil Temp > 82 °C

Engine Cool 133:44:16 HH:MM:SS

Engine Hours 28535:56:2 HH:MM:SS

Engine Protection

Description	Fault Code	Occurrences	Value	Duration	ECM Time ( ECM Real Time
Coolant Temp	151	Newest	114.7 °C	0:00:05	28211:37:5 Not Applicable
	151	2	114.7 °C	0:00:09	28211:37:4 Not Applicable
	151	3	113.7 °C	0:00:11	28114:08:3 Not Applicable

	151	4	119.4 °C	0:02:34	28114:04:5	Not Applicable
	151 Oldest		114.2 °C	0:00:11	27107:36:5	Not Applicable
Engine Coolant	2963 Newest		111.3 °C	0:01:02	28211:38:5	Not Applicable
	2963	2	111.1 °C	0:00:05	28211:38:3	Not Applicable
	2963	3	114.7 °C	0:00:46	28211:37:2	Not Applicable
	2963	4	110.8 °C	0:00:11	28211:37:0	Not Applicable
	2963 Oldest		108.9 °C	0:00:10	28211:36:4	Not Applicable
Intake Manifold	2964 Newest		80.8 °C	0:01:08	28114:07:3	Not Applicable
	2964	2	82.9 °C	0:01:51	28114:05:1	Not Applicable
	2964	3	77.2 °C	0:00:01	18156:11:5	Not Applicable
	2964	4	77.6 °C	0:00:02	16956:36:4	Not Applicable
	2964 Oldest		76.7 °C	0:00:01	16865:11:5	Not Applicable
Oil Pressure	415 Newest		230.3 kPa	0:00:05	15869:47:4	Not Applicable
	415	2	229.6 kPa	0:00:03	15869:47:2	Not Applicable
	415	3	231.0 kPa	0:00:03	15869:45:5	Not Applicable
	415	4	227.5 kPa	0:00:05	15869:45:2	Not Applicable
	415 Oldest		227.5 kPa	0:00:03	15869:44:2	Not Applicable

## Duty Cycle Monitor

### Short Term Map 1

#### Torque (%)

100			0.40%	1.80%	2.30%
90			1.10%	2.50%	0.90%
70	0.10%	0.10%	1.00%	2.80%	2.70%
50	1.10%	0.60%	1.90%	3.40%	3.00%
30	3.60%	1.20%	4.80%	2.20%	1.00%
10	26.10%	0.10%	0.60%	0.60%	0.20%
0	25.30%			7.50%	

Engine Speed: 875 1100 1400 1800 2200 2800 3400

Peak Torque: 1288 N\*m

Peak Torque: 1300 RPM

Advertised: 315 hp

Advertised: 2000 RPM

Map Hours: 0:00:00 HH:MM:SS

Map Start Time: 0:02:39 HH:MM:SS

### Short Term Map 2

#### Torque (%)

100			0.40%	2.00%	2.90%
90			1.30%	2.60%	1.10%

70	0.10%	0.10%	1.20%	2.80%	2.90%
50	1.40%	0.50%	2.10%	3.60%	2.70%
30	3.90%	1.20%	5.10%	2.70%	1.00%
10	25.70%	0.10%	0.70%	0.90%	0.20%
0	22.40%			7.80%	

Engine Speed 875 1100 1400 1800 2200 2800 3400

Peak Torque 1288 N\*m

Peak Torque 1300 RPM

Advertised 315 hp

Advertised 2000 RPM

Map Hours 0:00:00 HH:MM:SS

Map Start Time 500:09:36 HH:MM:SS

### Long Term Map

Torque (%)

100			0.40%	1.60%	1.90%
90			1.10%	1.70%	0.80%
70		0.10%	1.20%	2.10%	1.80%
50	0.50%	0.50%	2.00%	3.30%	2.40%
30	2.30%	2.10%	5.80%	3.50%	1.80%
10	19.90%	1.40%	1.40%	1.10%	0.40%
0	28.60%			10.10%	

Engine Speed 875 1100 1400 1800 2200 2800 3400

Peak Torque 1288 N\*m

Peak Torque 1300 RPM

Advertised 315 hp

Advertised 2000 RPM

Map Hours 71473:09:1 HH:MM:SS

Map Start Time 0:02:39 HH:MM:SS

### SAE J1939 Multiplexed Fault Data

Fault Code Multiplexed Status Total ECM 1 ECM Real Time

This feature is not supported by the current calibration.

### Anti-Theft Protection

Vehicle Ant "Disable"

Vehicle Ant "Disable"

Anti-theft P "Disabled"  
Anti-theft P "Disabled"  
Anti-theft P "Disabled"  
Anti-theft P "Disabled"  
Anti-theft P "Disabled"  
Anti-theft P "Disabled"

#### Multi Level ECM Security

##### ECM Passwords

Master Pas: "Disabled"  
Adjustable "Disabled"  
Reset Pass' "Disabled"  
OEM Passw "Disabled"

##### Real Time Clock

The connected ECM does not support Real Time Clock

##### OBD Monitors

MIL ON Distance (All Faults)

MIL ON Time (All Faults)

Fault Code Description Monitor Typ Readiness Code

OBD values are not displayed in INSITE for this engine program.



























SPN

111

111

627

94

94

SPN

111







