



**EVENT DATA RECORDER
FACTUAL REPORT**

**ATTACHMENT – A
Volvo Engine ECM RECORDS**

**GRAY SUMMIT, MISSOURI
HWY-10-MH-018**

j 1708.TXT

File name/date: ECM.DWN 8/11/2010 2:04:16 PM

Record: 2 of 2 Protocol: J1708

Unit I.D.: 06114477

Vehicle Identification Number : N 468199

Engine Make*Model*Ser# : VOLVO*20814642P01*06114477:\

PARAMETERS

Number, Description, Value

49, ABS Off-road Function Switch, off
74, Maximum Road Speed Limit, 76.00, mph
83, Road Speed Limit Status, inactive
84, Road Speed, 0.00, mph
85, Cruise Control Status, inactive
92, Percent Engine Load, 0.00, %
98, Engine Oil Level, 98.00, %
100, Engine Oil Pressure, 0.00, psi
102, Boost Pressure, 0.00, in Hg
110, Engine Coolant Temperature, 88.00, deg F
111, Coolant Level, 100.00, %
151, ATC Spin-out Signal detection, not available
166, Rated Engine Power, 465.00, hp
168, Battery Voltage, 10.75, V
175, Engine Oil Temperature, 84.00, deg F
183, Fuel rate, 0.00, lb/hr
185, Average Fuel Economy, 5.68, US mpg
188, Idle Engine Speed, 600.00, rpm
189, Rated Engine Speed, 1800.00, rpm
190, Engine Speed, 0.00, rpm
235, Total Idle Hours, 3382.05, hrs
236, Total Idle Fuel Used, 2103.38, US gal
245, Total Vehicle Distance, 460094.50, mi
247, Total Engine Hours, 11766.35, hrs
248, Total PTO Hours, 0.00, hrs
250, Total Fuel Used, 82992.13, US gal

TROUBLE CODES

Number, Description, Fault Mode Identifier, Status, #

P98, Engine Oil Level, Data valid but < normal, Inactv, 3
ABS S231, , Data erratic/intrmit/inccrct, Inactv, 1

j 1939.TXT
File name/date: ECM.DWN 8/11/2010 2:04:16 PM
Record: 1 of 2 Protocol: J1939
Unit I.D.: 06114477
Engine Make*Model *Ser# : VOLVO*20814642P01*06114477

PARAMETERS

Number, Description, Value

70, Parking Brake Switch, park brk set
84, Road Speed, 0.00, mph
91, Percent Accelerator Pedal Position, 0.00, %
92, Percent Engine Load, 0.00, %
102, Boost Pressure, 0.00, in Hg
105, Intake Manifold Temperature, 87.80, deg F
106, Air Inlet Pressure, 14.21, psi
110, Engine Coolant Temperature, 87.80, deg F
174, Fuel Temperature, 87.80, deg F
175, Engine Oil Temperature, 84.15, deg F
188, Idle Engine Speed, 600.00, rpm
190, Engine Speed, 0.00, rpm
520, Retarder Percent Torque, 0.00, %
527, Cruise Control State, disabled
561, ASR Engine Control, passive
562, ASR Brake Control, passive
563, ABS, passive
571, Rtrdr Enable/Brake Assist Sw, enabled
572, Rtrdr Enable/Shift Assist Sw, enabled
575, ABS Offroad Switch, off
576, ASR Offroad Switch, off
595, Cruise Cntrl Active, switched off
596, Cruise Cntrl Enable Switch, enabled
597, Brake Switch, brk pedal released
598, Clutch Switch, clutch pedal released
599, Cruise Cntrl Set Switch, not in 'set' position
600, Cruise Cntrl Coast Switch, not in 'coast' position
601, Cruise Cntrl Resume Switch, not in 'resume' position
602, Cruise Cntrl Accelerate Switch, not in 'accel' position
900, Retarder Torque Mode, Low Idle gov
1243, ABS Fully Operational, yes
1438, ABS/EBS Amber Warning State, off

TROUBLE CODES

Number, Description, Fault Mode Identifier, Status, #

639, J1939 Network #1, Data erratic/intrmit/incorrc, Inactv, 1