



**EVENT DATA RECORDER
FACTUAL REPORT**

**ATTACHMENT – B
Volvo ABS ECU Data**

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

ACom
v5.10.1.0

EVENT REPORT



Make	Volvo	Model	VE D-12 - 465 2100
Year, ECU Manufacture Date	2007, -	VIN	N 468199
Vehicle Configuration	-	Vehicle Application	-
Company	Climate	Location	-
Technician	NTSB Voeglie	Product Family	EC-60_ADV
ECU Part Number	5012231	Serial Number	MISL33WMTH
ABS Software Version	BB40903	ATC Configuration	Brake and Engine
System Configuration	6S/4M	Retarder Configuration	Retarder Datalink
Steer Axle Configuration	Modified	Yaw Control	Enable
Steer Axle Tire Size	523	RSP	Enable
Rear Axle Configuration	Side SL	Steer Angle Sensor	Standard
Rear Axle Tire Size	519	Yaw Control Sensor	Standard
Additional Axle Configuration	Side SL	Lateral Acceleration Sensor	Standard
Additional Axle Tire Size	519	Engine Hours	11766.35 hours

ACTIVE DTCs

Count	Code	SID	FMI	Description
-	-	-	-	No Faults

INACTIVE DTCs

Count	Code	SID	FMI	Description
1	127	231	2	Timeout or invalid CAN data - ESP

EVENT HISTORY - DTC Events

Count	Power	Vehicle	Timestamp	Description
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	Up Time	Velocity		
1	10s-15m	7 mph	11710:48 (hours)	Drive Away Test All Clear
1	<10s	45 mph	11710:48 (hours)	Timeout or invalid CAN data - ESP
1	<10s	0 mph	11710:0 (hours)	All faults cleared by diagnostic tool
1	<10s	0 mph	11674:24 (hours)	Inactive ABS faults cleared by 255 power cycles
1	10s-15m	2 mph	11505:12 (hours)	Drive Away Test All Clear
1	<10s	4 mph	11505:12 (hours)	Timeout or invalid CAN data - ESP
1	<10s	0 mph	11344:0 (hours)	Inactive ABS faults cleared by 255 power cycles
1	10s-15m	5 mph	11172:0 (hours)	Drive Away Test All Clear
1	<10s	5 mph	11172:0 (hours)	Timeout or invalid CAN data - ESP
1	10s-15m	4 mph	11035:36 (hours)	Drive Away Test All Clear
1	<10s	5 mph	10830:48 (hours)	Drive Away Test All Clear
1	<10s	4 mph	10830:48 (hours)	Timeout or invalid CAN data - ESP
1	<10s	5 mph	10817:12 (hours)	Timeout or invalid CAN data - ESP
1	<10s	0 mph	10514:0 (hours)	All faults cleared by diagnostic tool
1	10s-15m	4 mph	10423:36 (hours)	Drive Away Test All Clear
1	<10s	0 mph	2 (pwr. cycles)	Drive Axle Left WSS: open or shorted

1	<10s	5 mph	10391:36 (hours)	Drive Away Test All Clear
1	<10s	4 mph	10391:36 (hours)	Timeout or invalid CAN data - ESP
1	<10s	0 mph	9153:12 (hours)	All faults cleared by diagnostic tool
3	10s- 15m	34 mph	9086:24 (hours)	Drive Axle Right WSS: open or shorted
1	10s- 15m	0 mph	9086:24 (hours)	Drive Axle Right WSS: open or shorted

EVENT HISTORY - INFO Events

Count	Power Up Time	Vehicle Velocity	Timestamp	Description
-	-	-	-	No Events

ESP Counters

Event	Counter
RSP Level 1	9
RSP Level 2	4
RSP Level 3	4
RSP Level 4	2
RSP Level 5	0
Yaw Control Level 1	8
Yaw Control Level 2	0
Yaw Control Level 3	0
Yaw Control Level 4	0
Yaw Control Level 5	0

Notes	-	Maintanance History	-
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Date	Signature
8/11/2010	

Climate_ESPData

L_WHEELBASE = 4.8984 m
L_WHEELBASE2 = 6.2188 m
DELTA_H_MAX_LEFT = 14.2949 rad
DELTA_H_MAX_RIGHT = -14.2949 rad
EG_REF = 0.0049 s²/m
T_REF = 0.2415 s
K_M_BRAKE_FA = -2862 Nm/bar
K_M_BRAKE_RA = -3445 Nm/bar
K_M_BRAKE_RA2 = -3445 Nm/bar
MAX_M_FA = 5600 kg
MAX_M_RA = 8608 kg
MAX_M_RA2 = 8608 kg
MIN_M_FA = 4832 kg
MIN_M_RA = 1888 kg
MIN_M_RA2 = 1888 kg
P_THRES_FA = 0.4805 bar
P_THRES_RA = 0.3789 bar
P_THRES_RA2 = 0.3789 bar
P_THRES_TRL = 1 bar
R_WH_RA = 0.5313 m
I_RA = 3.4063
IL = 22
IL_1 = 21.5
IL_2 = 22.25
IL_3 = 21.75
IL_4 = 20.75
D_DELTA_VALUES_1 = 0.0122
D_DELTA_VALUES_2 = 0.0161
D_DELTA_VALUES_3 = 0.04
D_EG = 0.002 s²/m
D_T_REF = 0.1484 s
SUB_DATASET_NO = 0
MAX_V_REVERSE_GEAR = 15 m/s
ESP_VEHICLE_TYPE = 3
ESP_FLAGS_1 = 440
ESP_FLAGS_2 = 9
MAX_M_ENG = 0 Nm
K_ENG = 100 %
K_RETDR = 100 %
K_RETENG = 100 %
K_RETEXH = 100 %
K_RETTR = 100 %
MIN_P_SENSOR = 0.0625 Vout/Vsup
MAX_P_SENSOR = 0.9414 Vout/Vsup
P_SENSOR_GRADIENT = 15 bar
P_SENSOR_OFFSET = 1.5 bar
ALB2LOAD_GRADIENT = 26.9531 %/bar
ALB2LOAD_OFFSET = 0.5938 bar
K_V = 7.8125 %
CHECKSUM_PUBLIC = 20167