

Vehicle information

HD OBD SAE J1939

VIN:

Diagnostics time: 2022/02/09 13:18

Mileage:

Path: Protocols > SAE J1939 > Live data > Engine #1 > ALL >

Engine #1 -- ALL

NO.	Name	Value	Unit
1	Accelerator pedal 1 low idle switch	Accelerator pedal 1 in low idle condition	bit
2	Accelerator pedal kickdown switch	Error	bit
3	Road speed limit status	Not available	bit
4	Accelerator pedal 2 low idle switch	Not available	bit
5	Accelerator pedal position 1	Error	%
6	Engine percent load at current speed	12	%
7	Remote accelerator pedal position	Error	%
8	Vehicle acceleration rate limit status	Limit not active	bit
9	Momentary engine maximum power enable feedback	Don't care	bit
10	DPF thermal management active	Don't care	bit
11	SCR thermal management active	Don't care	bit
12	Engine torque mode	No request	bit
13	Actual engine - percent torque (fractional)	0.125	%
14	Driver's demand engine - percent torque	0	%
15	Actual engine - percent torque	9	%
16	Engine speed	999.750	rpm
17	Source address of controlling device for engine control	0	SA
18	Engine starter mode	Start not requested	bit
19	Diesel particulate filter lamp command	OFF	bit
20	Diesel particulate filter active regeneration availability status	Not available	bit
21	Aftertreatment diesel particulate filter passive regeneration status	Not available	bit
22	Aftertreatment diesel particulate filter active regeneration status	Not active	bit
23	Aftertreatment diesel particulate filter status	Not available	bit
24	Diesel particulate filter active regeneration inhibited status	Not available	bit
25	Diesel particulate filter active regeneration inhibited due to inhibit switch	Not available	bit
26	Diesel particulate filter active regeneration inhibited due to clutch disengaged	Not available	bit
27	Diesel particulate filter active regeneration inhibited due to service brake active	Not available	bit
28	Diesel particulate filter active regeneration inhibited due to PTO active	Not available	bit
29	Diesel particulate filter active regeneration inhibited due to accelerator pedal off idle	Not available	bit

30	Diesel particulate filter active regeneration inhibited due to out of neutral	Not available	bit
31	Diesel particulate filter active regeneration inhibited due to vehicle speed above allowed speed	Not available	bit
32	Diesel particulate filter active regeneration inhibited due to parking brake not set	Not available	bit
33	Engine exhaust gas recirculation 1 cooler bypass actuator position	Not available	bit
34	Diesel particulate filter active regeneration inhibited due to system fault active	Not available	bit
35	Diesel particulate filter active regeneration inhibited due to system timeout	Not available	bit
36	Diesel particulate filter active regeneration inhibited due to temporary system lockout	Not available	bit
37	Diesel particulate filter active regeneration inhibited due to permanent system lockout	Not available	bit
38	Diesel particulate filter active regeneration inhibited due to engine not warmed up	Not available	bit
39	Diesel particulate filter active regeneration inhibited due to vehicle speed below allowed speed	Not available	bit
40	Diesel particulate filter automatic active regeneration initiation configuration	Not available	bit
41	Exhaust system high temperature lamp command	OFF	bit
42	Diesel particulate filter active regeneration forced status	Not available	bit
43	Hydrocarbon doser purging enable	Not available	bit
44	Diesel particulate filter active regeneration inhibited due to low exhaust pressure	Not available	bit
45	Aftertreatment 1 diesel particulate filter conditions not met for active regeneration	Not available	bit
46	Diesel particulate filter active regeneration inhibited due to thresher	Not available	bit
47	Total engine PTO governor fuel used	0.00	gallon
48	Fan drive state	Engine system-General	bit
49	Fan speed	0.000	rpm
50	Total vehicle distance (high resolution)	1700458410	m
51	Trip distance (high resolution)	2211081215	m
52	Engine turbocharger 1 speed	16288	rpm
53	Engine turbocharger oil level switch	Not available	bit
54	Nominal friction - percent torque	10	%
55	Estimated engine parasitic losses - percent torque	2	%
56	Aftertreatment 1 exhaust gas mass flow rate	415.80	kg/h
57	Aftertreatment 1 intake dew point	Not exceeded the dew point	bit
58	Aftertreatment 1 exhaust dew point	Not exceeded the dew point	bit
59	Aftertreatment 2 intake dew point	Not exceeded the dew point	bit
60	Aftertreatment 2 exhaust dew point	Not exceeded the dew point	bit

61	Trip distance	1373902171.32	miles
62	Total vehicle distance	1056615.85	miles
63	Engine speed at idle, point 1	1000.000	rpm
64	Engine percent torque at idle, point 1	90	%
65	Engine speed at point 2	1691.250	rpm
66	Engine percent torque at point 2	90	%
67	Engine speed at point 3	900.000	rpm
68	Engine percent torque at point 3	83	%
69	Engine speed at point 4	1100.000	rpm
70	Engine percent torque at point 4	98	%
71	Engine speed at point 5	1500.000	rpm
72	Engine percent torque at point 5	98	%
73	Engine speed at high idle, point 6	1700.000	rpm
74	Engine gain (Kp) of the endspeed governor	0	%/rpm
75	Engine reference torque	1849.806	Lb-ft
76	Engine maximum momentary override speed, point 7	2200.000	rpm
77	Engine maximum momentary override time limit	0.3	s
78	Engine requested speed control range lower limit	1000	rpm
79	Engine requested speed control range upper limit	1700	rpm
80	Engine requested torque control range lower limit	0	%
81	Engine requested torque control range upper limit	100	%
82	Engine requested speed control range upper limit (extended range)	1690.250	rpm
83	Engine moment of inertia	0.00	kg*m2
84	Engine idle shutdown has shutdown engine	Not available	bit
85	Engine idle shutdown driver alert mode	Not available	bit
86	Engine idle shutdown timer override	Not available	bit
87	Engine idle shutdown timer state	Not available	bit
88	Engine idle shutdown timer function	Not available	bit
89	A/C high pressure fan switch	Not available	bit
90	Refrigerant low pressure switch	Not available	bit
91	Refrigerant high pressure switch	Not available	bit
92	Engine wait to start lamp	OFF	bit
93	Engine protection system has shutdown engine	No	bit
94	Engine protection system approaching shutdown	Not approaching	bit
95	Engine protection system timer override	Not available	bit
96	Engine protection system timer state	Not available	bit
97	Engine protection system configuration	Not available	bit
98	Engine alarm acknowledge	Not available	bit

99	Engine alarm output command status	Not available	bit
100	Engine air shutoff command status	Not available	bit
101	Engine overspeed test	Not available	bit
102	Engine air shutoff status	Not available	bit
103	PTO shutdown has shutdown engine	Not available	bit
104	Coolant level engine protection shutdown status	Not available	bit
105	Engine oil pressure switch	Not available	bit
106	Engine total hours of operation	21303.50	h
107	Engine total revolutions	1546492000	r
108	Total vehicle hours	21720.65	h
109	Total power take off hours	0.00	h
110	Engine trip fuel	0.00	gallon
111	Engine total fuel used	164990.64	gallon
112	Maximum vehicle speed limit	98.80	mph
113	Cruise control high set limit speed	98.80	mph
114	Cruise control low set limit speed	18.64	mph
115	Cruise control disable command support	Not available	bit
116	Cruise control resume command support	Not available	bit
117	Cruise control pause command support	Not available	bit
118	Cruise control set command support	Not available	bit
119	Powertrain adaptive cruise control type	Not available	bit
120	Engine coolant temperature	208.40	°F
121	Engine fuel 1 temperature 1	77.00	°F
122	Engine oil temperature 1	83.47	°F
123	Engine fuel delivery pressure	145.04	psi
124	Engine oil pressure 1	40.03	psi
125	Engine coolant level 1	0.0	%
126	Two speed axle switch	Not available	bit
127	Parking brake switch	Error	bit
128	Cruise control pause switch	Take no action	bit
129	Park brake release inhibit request	Unavailable	bit
130	Wheel-based vehicle speed	Error	mph
131	Cruise control active	Cruise control switched off	bit
132	Cruise control enable switch	Error	bit
133	Brake switch	Error	bit
134	Clutch switch	Clutch pedal depressed	bit
135	Cruise control set switch	Error	bit

136	Cruise control coast (decelerate) switch	Error	bit
137	Cruise control resume switch	Error	bit
138	Cruise control accelerate switch	Error	bit
139	Cruise control set speed	0	mph
140	PTO governor state	Not available	bit
141	Cruise control states	Off/disabled	bit
142	Engine idle increment switch	Not available	bit
143	Engine idle decrement switch	Not available	bit
144	Engine diagnostic test mode switch	Not available	bit
145	Engine shutdown override switch	Not available	bit
146	Engine fuel rate	0.00	gal/h(US)
147	Engine instantaneous fuel economy	0	mpg
148	Engine average fuel economy	2.72266	mpg
149	Engine throttle valve 1 position 1	Error	%
150	Barometric pressure	96.0	psi
151	Ambient air temperature	Error	°F
152	Aftertreatment 1 diesel particulate filter intake pressure (use SPN 3609)	98.0	psi
153	Engine intake manifold #1 pressure	0	psi
154	Engine intake manifold 1 temperature	16	°F
155	Engine intake air pressure	96	psi
156	Engine exhaust temperature	-273.00000	°F
157	Engine coolant filter differential pressure	0	psi
158	Battery potential / power input 1	11.75	V
159	Water in fuel indicator 1	Error	bit
160	Operator shift prompt	Indicator inactive	bit
161	Water in fuel indicator 2	No	bit
162	Engine overloaded indicator	No	bit
163	Driver warning system indicator status	Not available	bit
164	Emission control system operator inducement severity	Not available	bit
165	Water in charge air duct after charge air cooler indicator	Not available	bit
166	Automatic start request inhibit indicator	Take no action	bit
167	Recommended number of gears to shift	0	count