

PACCAR Vehicle Diagnostic Report

Vehicle Information

PACCAR
 VIN: --
 Path: Diagnosis > Auto scan > Live data > All >

Odometer Reading: --
 License Plate: --
 Sub Model: --

Customer Information

Name: --

Tel: --

Device information

Scanner: MaxiSys CV
 Version: V5.05

Serial Number: V59SP5V01172

All

NO.	Name	Value	MIN	MAX	Unit
1	Parking brake [Parking brake]	Engaged			
2	EGR differential pressure [EGR control]	19	0	1000	mBar
3	EGR temperature [EGR control]	211.10	32	302	°F
4	EGR mass flow (calculated) [EGR control]	0.06	0	1.32	lb/s
5	EGR position (requested) [EGR control]	42	0	100	%
6	Actual Exhaust Gas Recirculation (EGR) valve position [EGR control]	42	0	100	%
7	Ambient pressure (absolute) [Inlet air pressure in inlet manifold]	968	0	2000	mBar
8	Inlet air pres in inlet manifold (sen pwr supply) [Inlet air pressure in inlet manifold]	5.0	0	10	V
9	Inlet air humidity before compressor [Inlet air pressure in inlet manifold]	13	0	100	%
10	Engine speed [Performance]	650	0	2500	rpm
11	Adjustable vehicle speed limiter status [Performance]	No			
12	Common rail pump delivery (actual) [Performance]	10.5	0	100	%
13	EGR differential pressure [Performance]	19	0	1000	mBar
14	Engine operating status [Performance]	Stationary			
15	Intake air temperature in inlet manifold [Performance]	145.76	-58	167	°F
16	BPV position [Performance]	97	0	100	%
17	Engine mode [Performance]	Standard			
18	EGR temperature [Performance]	211.82	32	302	°F
19	Exhaust gas temperature after BPV [Performance]	262.76	-40	1472	°F
20	Brake pedal [Performance]	Released			
21	EGR position (requested) [Performance]	42	0	100	%

22	Actual Exhaust Gas Recirculation (EGR) valve position [Performance]	43	0	100	%
23	Accelerator Pedal Position [Performance]	0.0	0	100	%
24	Coolant temperature [Performance]	194.54	-58	302	°F
25	Inlet air temp after intercooler [Performance]	81.86	-58	212	°F
26	Fuel quantity (actual) [Performance]	21.5	0	300	mg/stroke
27	Common rail operating status [Performance]	Pump unit only			
28	Fuel pressure (relative) [Performance]	108.778	0	232.06	psi
29	Inlet air temp before compressor [Performance]	80.42	-58	167	°F
30	Common rail fuel pres (reqd by the ECU) [Performance]	6971.961	0	41335.74	psi
31	Vehicle speed [Performance]	0.000	0	86.99	mph
32	Inlet air humidity before compressor [Performance]	14	0	100	%
33	Common rail pump delivery (correction) [Performance]	-4.1	-100	100	%
34	VTG actuator position (requested) [Performance]	11	0	100	%
35	Air-fuel ratio [Performance]	65	0	100	
36	VTG actuator position (actual) [Performance]	11	0	100	%
37	Turbo speed [Performance]	8751	10000	150000	rpm
38	Total vehicle distance [Performance]	343444.29	0	13343822.08	miles
39	Maximum vehicle speed limit [Performance]	80.157	24.86	155.34	mph
40	Common rail fuel pressure (actual) [Performance]	6961.809	0	41335.74	psi
41	Oil temperature [Performance]	146.48	-58	302	°F
42	Base vehicle speed limit [Performance]	114.954	24.86	155.34	mph
43	Soft top speed limiter [Performance]	Not active			
44	Engine speed [Emissions]	651	0	2500	rpm
45	NOx concentration before cat (target) [Emissions]	75	0	3000	PPM
46	EGT after SCR catalyst [Emissions]	111.56	-40	1472	°F
47	NOx concentration before cat (calculated) [Emissions]	62	0	3000	PPM
48	Vehicle speed limiter expiration distance [Vehicle speed limit]	0.00	0	1294999.7	miles
49	Soft top spd limiter daily distinct limit stat [Vehicle speed limit]	Active			
50	Vehicle speed limit with cruise control [Vehicle speed limit]	119.925	0	155.34	mph
51	Soft top spd limiter max daily distinct limit [Vehicle speed limit]	251.66	0	636.28	miles
52	Total vehicle distance [Vehicle speed limit]	343444.29	0	13343822.08	miles
53	Maximum vehicle speed limit [Vehicle speed limit]	80.157	24.86	155.34	mph
54	Base vehicle speed limit [Vehicle speed limit]	114.954	24.86	155.34	mph
55	Soft top spd limiter daily distance limit [Vehicle speed limit]	0.00	0	636.28	miles
56	Application speed limiter [Vehicle speed limit]	Not active			

57	Soft top spd limiter current daily distance [Vehicle speed limit]	0.00	0	13343822.08	miles
58	Soft top speed limiter [Vehicle speed limit]	Not active			
59	Soft top spd limiter current total distance [Vehicle speed limit]	0.00	0	13343822.08	miles
60	Fuel pressure (relative) [Regeneration]	107.328	0	232.06	psi
61	EGT after SCR catalyst [Regeneration]	111.92	-40	1472	°F
62	Air-fuel ratio [Regeneration]	65	0	100	
63	Engine speed [Operating phase (SCR)]	650	0	2500	rpm
64	NOx concentration before cat (target) [Operating phase (SCR)]	75	0	3000	PPM
65	NOx concentration before cat (actual) [Operating phase (SCR)]	3077	0	3000	PPM
66	EGT after SCR catalyst [Operating phase (SCR)]	112.10	-40	1472	°F
67	NOx concentration before cat (calculated) [Operating phase (SCR)]	61	0	3000	PPM
68	Diesel Exhaust Fluid (DEF) tank quantity [Operating phase (SCR)]	100	0	100	%
69	Engine speed [General engine]	649	0	2500	rpm
70	Common rail pump delivery (actual) [General engine]	10.2	0	100	%
71	EGR differential pressure [General engine]	20	0	1000	mBar
72	Engine torque (requested) [General engine]	0	0	100	%
73	Engine operating status [General engine]	Stationary			
74	Turbo actuator state [General engine]	Normal operating mode			
75	Intake air temperature in inlet manifold [General engine]	147.02	-58	167	°F
76	Malfunction Indicator Lamp [General engine]	Active			
77	BPV position [General engine]	97	0	100	%
78	Engine mode [General engine]	Standard			
79	EGR temperature [General engine]	213.08	32	302	°F
80	Exhaust gas temperature after BPV [General engine]	263.66	-40	1472	°F
81	NOx concentration before cat (actual) [General engine]	3077	0	3000	PPM
82	Fuel limit status [General engine]	The turbo protection limits the fuel.			
83	EGR mass flow (calculated) [General engine]	0.06	0	1.32	lb/s
84	Brake pedal [General engine]	Released			
85	EGR position (requested) [General engine]	43	0	100	%
86	Actual Exhaust Gas Recirculation (EGR) valve position [General engine]	43	0	100	%
87	Accelerator Pedal Position [General engine]	0.0	0	100	%
88	Cruise control (CC) resume or set switch [General engine]	Not applied			

89	Oil pressure (relative) [General engine]	50.763	0	130.53	psi
90	Coolant temperature [General engine]	195.08	-58	302	°F
91	Electronic Stability Control (ESC) status, Power Take-Off (PTO) status [General engine]	Not active			
92	Fan speed [General engine]	100	0	2500	rpm
93	Cruise control (CC) set [General engine]	Not applied			
94	Fan control switch [General engine]	Unavailable			
95	Fuel temperature [General engine]	104.54	-58	248	°F
96	Ambient temperature [General engine]	-40.00	-58	167	°F
97	Fuel quantity (requested) [General engine]	21.1	0	300	mg/stroke
98	Ambient pressure (absolute) [General engine]	969	0	2000	mBar
99	Inlet air temp after intercooler [General engine]	82.76	-58	212	°F
100	Fuel quantity (actual) [General engine]	21.4	0	300	mg/stroke
101	Common rail operating status [General engine]	Pump unit only			
102	Electronic Stability Control (ESC) set + Power Take-Off (PTO) set + [General engine]	Not applied			
103	Inlet air pres in inlet manifold (sen pwr supply) [General engine]	5.0	0	10	V
104	Cruise control (CC) resume [General engine]	Not applied			
105	Fuel pressure (relative) [General engine]	107.328	0	232.06	psi
106	Cruise control (CC) switch [General engine]	Not applied			
107	Inlet air temp before compressor [General engine]	82.22	-58	167	°F
108	Common rail fuel pres (reqd by the ECU) [General engine]	6969.061	0	41335.74	psi
109	EGT after SCR catalyst [General engine]	113.72	-40	1472	°F
110	Vehicle speed [General engine]	0.000	0	86.99	mph
111	Parking brake [General engine]	Engaged			
112	Inlet air humidity before compressor [General engine]	12	0	100	%
113	Electronic Stability Control (ESC) resume or set - Power Take-Off (PTO) set - [General engine]	Not applied			
114	Clutch pedal [General engine]	Released			
115	Cruise control (CC) status [General engine]	Not active			
116	Common rail pump delivery (correction) [General engine]	-4.1	-100	100	%
117	Limp-home operation [General engine]	Camshaft and crankshaft signal			
118	VTG actuator position (requested) [General engine]	11	0	100	%
119	Air-fuel ratio [General engine]	65	0	100	

120	Coolant level too low [General engine]	Not detected			
121	Coolant level low [General engine]	Not detected			
122	VTG actuator position (actual) [General engine]	11	0	100	%
123	Camshaft and crankshaft signal [General engine]	Synchronized			
124	Turbo speed [General engine]	9111	10000	150000	rpm
125	Idle status [General engine]	Idle			
126	Mass Air Flow (MAF) (calculated) [General engine]	0.12	0	1.32	lb/s
127	Common rail fuel pressure (actual) [General engine]	6961.809	0	41335.74	psi
128	Coolant pump speed (actual) [General engine]	166	0	6000	rpm
129	NOx concentration before cat (calculated) [General engine]	60	0	3000	PPM
130	Common rail fuel pres (sensor signal) [General engine]	1183.1	0	5000	mV
131	Oil temperature [General engine]	157.64	-58	302	°F
132	Crankcase air pressure (relative) [General engine]	-8.2	-100	100	mBar
133	Engine brake level (demanded) [General engine]	0	0	100	%
134	Electronic Stability Control (ESC) load (calculated), Power Take-Off (PTO) load (calculated) [General engine]	13.80	0	100	%
135	Crankcase ventilation module rotor speed [General engine]	12074	0	15000	rpm
136	Electronic Stability Control (ESC) status switch, Power Take-Off (PTO) status switch [General engine]	Not applied			
137	Water in fuel sensor voltage [General engine]	10.0	0	5000	mV
138	Foot brake as EIST reset condition [General engine]	Not active			
139	Application speed limiter [General engine]	Not active			
140	Electronic Stability Control (ESC) torque (actual), Power Take-Off (PTO) torque (actual) [General engine]	9.30	0	100	%
141	Time remaining when EIST alert displays [General engine]	60	30	255	s
142	Delta engine speed cylinder 3 [General engine]	0.25	-20	20	rpm
143	Delta engine speed cylinder 2 [General engine]	0.25	-20	20	rpm
144	Acceleration cylinder 4 [General engine]	0	-50	50	us
145	Acceleration cylinder 2 [General engine]	0	-50	50	us
146	Acceleration cylinder 5 [General engine]	-12	-50	50	us
147	Delta engine speed cylinder 1 [General engine]	0.25	-20	20	rpm
148	Acceleration cylinder 6 [General engine]	-1	-50	50	us
149	Delta engine speed cylinder 6 [General engine]	1.25	-20	20	rpm
150	Acceleration cylinder 1 [General engine]	2	-50	50	us
151	Delta engine speed cylinder 4 [General engine]	0.25	-20	20	rpm
152	Acceleration cylinder 3 [General engine]	8	-50	50	us
153	Delta engine speed cylinder 5 [General engine]	-1.75	-20	20	rpm

154	Engine speed [Aftertreatment overview]	650	0	2500	rpm
155	NOx concentration before cat (target) [Aftertreatment overview]	75	0	3000	PPM
156	EGR differential pressure [Aftertreatment overview]	20	0	1000	mBar
157	Turbo actuator state [Aftertreatment overview]	Normal operating mode			
158	Intake air temperature in inlet manifold [Aftertreatment overview]	151.16	-58	167	°F
159	BPV position [Aftertreatment overview]	97	0	100	%
160	Engine mode [Aftertreatment overview]	Standard			
161	EGR temperature [Aftertreatment overview]	216.86	32	302	°F
162	Exhaust gas temperature after BPV [Aftertreatment overview]	267.44	-40	1472	°F
163	EGR mass flow (calculated) [Aftertreatment overview]	0.06	0	1.32	lb/s
164	EGR position (requested) [Aftertreatment overview]	43	0	100	%
165	Actual Exhaust Gas Recirculation (EGR) valve position [Aftertreatment overview]	43	0	100	%
166	Accelerator Pedal Position [Aftertreatment overview]	0.0	0	100	%
167	Coolant temperature [Aftertreatment overview]	195.62	-58	302	°F
168	Ambient temperature [Aftertreatment overview]	-40.00	-58	167	°F
169	Fuel quantity (requested) [Aftertreatment overview]	20.8	0	300	mg/stroke
170	Inlet air temp after intercooler [Aftertreatment overview]	84.92	-58	212	°F
171	Fuel quantity (actual) [Aftertreatment overview]	20.6	0	300	mg/stroke
172	Fuel pressure (relative) [Aftertreatment overview]	104.427	0	232.06	psi
173	Inlet air temp before compressor [Aftertreatment overview]	84.02	-58	167	°F
174	Vehicle speed [Aftertreatment overview]	0.000	0	86.99	mph
175	VTG actuator position (requested) [Aftertreatment overview]	11	0	100	%
176	Air-fuel ratio [Aftertreatment overview]	65	0	100	
177	VTG actuator position (actual) [Aftertreatment overview]	11	0	100	%
178	Turbo speed [Aftertreatment overview]	9120	10000	150000	rpm
179	Total vehicle distance [Aftertreatment overview]	343444.29	0	13343822.08	miles
180	Diesel Exhaust Fluid (DEF) tank quantity [Aftertreatment overview]	100	0	100	%
181	EIST low ambient air temp threshold [Engine idle shutdown timer]	40.10	-40	491	°F
182	EIST expiration distance [Engine idle shutdown timer]	0.00	0	1294999.7	miles
183	Eng load as EIST overrule condition [Engine idle shutdown timer]	Not active			
184	EIST active when parking brake set [Engine idle shutdown timer]	Active			
185	EIST time limit w/parking brake unset [Engine idle shutdown timer]	180	60	65520	s
186	EIST active when in PTO mode [Engine idle shutdown timer]	Not active			
187	Engine load as EIST reset condition [Engine idle shutdown timer]	Active			

188	Ambient air temp as EIST overrule [Engine idle shutdown timer]	Active				
189	AP as EIST reset condition [Engine idle shutdown timer]	Not active				
190	EIST high ambient air temp threshold [Engine idle shutdown timer]	80.06	-40	491	°F	
191	EIST time limit when in PTO mode [Engine idle shutdown timer]	300	60	65520	s	
192	Foot brake as EIST reset condition [Engine idle shutdown timer]	Not active				
193	EIST low fuel temperature threshold [Engine idle shutdown timer]	22.64	-40	491	°F	
194	Clutch pedal as EIST reset condition [Engine idle shutdown timer]	Not active				
195	EIST time limit with parking brake set [Engine idle shutdown timer]	180	60	65520	s	
196	EIST low oil temperature threshold [Engine idle shutdown timer]	29.84	-40	491	°F	
197	Time remaining when EIST alert displays [Engine idle shutdown timer]	60	30	255	s	
198	EIST low coolant temp threshold [Engine idle shutdown timer]	29.84	-459.4	260.6	°F	
199	EIST engine load threshold [Engine idle shutdown timer]	507.443	0	1902.91	lbf ft	
200	EIST active when parking brake unset [Engine idle shutdown timer]	Active				
201	Engine speed [Engine start and idle]	650	0	2500	rpm	
202	Common rail pump delivery (actual) [Engine start and idle]	9.9	0	100	%	
203	Engine operating status [Engine start and idle]	Stationary				
204	Malfunction Indicator Lamp [Engine start and idle]	Active				
205	Engine mode [Engine start and idle]	Standard				
206	Fuel limit status [Engine start and idle]	The turbo protection limits the fuel.				
207	Accelerator Pedal Position [Engine start and idle]	0.0	0	100	%	
208	Oil pressure (relative) [Engine start and idle]	46.412	0	130.53	psi	
209	Coolant temperature [Engine start and idle]	193.64	-58	302	°F	
210	Fan speed [Engine start and idle]	100	0	2500	rpm	
211	Fuel temperature [Engine start and idle]	110.48	-58	248	°F	
212	Ambient temperature [Engine start and idle]	-40.00	-58	167	°F	
213	Fuel quantity (requested) [Engine start and idle]	20.4	0	300	mg/stroke	
214	Fuel quantity (actual) [Engine start and idle]	20.3	0	300	mg/stroke	
215	Common rail operating status [Engine start and idle]	Pump unit only				
216	Fuel pressure (relative) [Engine start and idle]	105.878	0	232.06	psi	
217	Common rail fuel pres (reqd by the ECU) [Engine start and idle]	6966.160	0	41335.74	psi	
218	Transmission [Engine start and idle]	Neutral				
219	Common rail pump delivery (correction) [Engine start and idle]	-4.3	-100	100	%	

220	Limp-home operation [Engine start and idle]	Camshaft and crankshaft signal				
221	Battery voltage [Engine start and idle]	11.6	0	30	V	
222	Camshaft and crankshaft signal [Engine start and idle]	Synchronized				
223	Turbo speed [Engine start and idle]	9129	10000	150000	rpm	
224	Idle status [Engine start and idle]	Idle				
225	Common rail fuel pressure (actual) [Engine start and idle]	6947.305	0	41335.74	psi	
226	Common rail fuel pres (sensor signal) [Engine start and idle]	1185.6	0	5000	mV	
227	Oil temperature [Engine start and idle]	158.18	-58	302	°F	
228	Water in fuel sensor voltage [Engine start and idle]	1146.0	0	5000	mV	
229	Unbalance detection minimum engine speed cylinder 1 [Engine start and idle]	N/A				
230	Unbalance detection minimum engine speed cylinder 6 [Engine start and idle]	N/A				
231	Unbalance detection minimum engine speed cylinder 2 [Engine start and idle]	N/A				
232	Unbalance detection minimum engine speed cylinder 3 [Engine start and idle]	N/A				
233	Unbalance detection minimum engine speed cylinder 4 [Engine start and idle]	N/A				
234	Unbalance detection minimum engine speed cylinder 5 [Engine start and idle]	N/A				
235	Engine speed [Engine brake]	651	0	2500	rpm	
236	Accelerator pedal status [Engine brake]	Released				
237	Engine mode [Engine brake]	Standard				
238	Brake pedal [Engine brake]	Released				
239	Accelerator Pedal Position [Engine brake]	0.0	0	100	%	
240	Oil pressure (relative) [Engine brake]	46.412	0	130.53	psi	
241	Cruise control (CC) switch [Engine brake]	Not applied				
242	Vehicle speed [Engine brake]	0.000	0	86.99	mph	
243	Clutch pedal [Engine brake]	Released				
244	Engine brake level (demanded) [Engine brake]	0	0	100	%	
245	Engine speed [Overview]	651	0	2500	rpm	
246	Common rail pump delivery (actual) [Overview]	10.6	0	100	%	
247	Fuel limit status [Overview]	The gear control limits the fuel.				
248	Oil pressure (relative) [Overview]	46.412	0	130.53	psi	
249	Fuel temperature [Overview]	111.02	-58	248	°F	

250	Ambient pressure (absolute) [Overview]	969	0	2000	mBar
251	Fuel quantity (actual) [Overview]	20.2	0	300	mg/stroke
252	Common rail operating status [Overview]	Pump unit only			
253	Fuel pressure (relative) [Overview]	105.878	0	232.06	psi
254	Common rail fuel pres (reqd by the ECU) [Overview]	6960.358	0	41335.74	psi
255	Common rail pump delivery (correction) [Overview]	-3.9	-100	100	%
256	Air-fuel ratio [Overview]	65	0	100	
257	Common rail fuel pressure (actual) [Overview]	6947.305	0	41335.74	psi
258	Common rail fuel pres (sensor signal) [Overview]	1172.2	0	5000	mV
259	Oil temperature [Overview]	159.08	-58	302	°F
260	Water in fuel sensor voltage [Overview]	1146.0	0	5000	mV
261	Engine speed [Start-up phase (SCR)]	650	0	2500	rpm
262	NOx concentration before cat (target) [Start-up phase (SCR)]	75	0	3000	PPM
263	NOx concentration before cat (actual) [Start-up phase (SCR)]	3077	0	3000	PPM
264	Ambient temperature [Start-up phase (SCR)]				°F
265	EGT after SCR catalyst [Start-up phase (SCR)]				°F
266	NOx concentration before cat (calculated) [Start-up phase (SCR)]				PPM
267	Diesel Exhaust Fluid (DEF) tank quantity [Start-up phase (SCR)]				%
268	Malfunction Indicator Lamp [Warning signals overview]				
269	Engine speed [Crankshaft rotation]				rpm
270	Engine mode [Crankshaft rotation]				
271	Fuel quantity (actual) [Crankshaft rotation]				mg/stroke
272	Fuel pressure (relative) [Crankshaft rotation]				psi
273	Common rail fuel pres (reqd by the ECU) [Crankshaft rotation]				psi
274	Common rail pump delivery (correction) [Crankshaft rotation]				%
275	Common rail fuel pressure (actual) [Crankshaft rotation]				psi
276	Delta engine speed cylinder 3 [Crankshaft rotation]				rpm
277	Unbalance detection minimum engine speed cylinder 1 [Crankshaft rotation]				
278	Normalized engine speed cylinder 6 [Crankshaft rotation]				rpm
279	Unbalance detection minimum engine speed cylinder 6 [Crankshaft rotation]				
280	Delta engine speed cylinder 2 [Crankshaft rotation]				rpm
281	Normalized engine speed cylinder 1 [Crankshaft rotation]				rpm
282	Acceleration cylinder 4 [Crankshaft rotation]				us
283	Acceleration cylinder 2 [Crankshaft rotation]				us
284	Acceleration cylinder 5 [Crankshaft rotation]				us

285	Delta engine speed cylinder 1 [Crankshaft rotation]	rpm
286	Acceleration cylinder 6 [Crankshaft rotation]	us
287	Normalized engine speed cylinder 3 [Crankshaft rotation]	rpm
288	Delta engine speed cylinder 6 [Crankshaft rotation]	rpm
289	Unbalance detection minimum engine speed cylinder 2 [Crankshaft rotation]	
290	Normalized engine speed cylinder 4 [Crankshaft rotation]	rpm
291	Acceleration cylinder 1 [Crankshaft rotation]	us
292	Normalized engine speed cylinder 2 [Crankshaft rotation]	rpm
293	Unbalance detection minimum engine speed cylinder 3 [Crankshaft rotation]	
294	Delta engine speed cylinder 4 [Crankshaft rotation]	rpm
295	Acceleration cylinder 3 [Crankshaft rotation]	us
296	Normalized engine speed cylinder 5 [Crankshaft rotation]	rpm
297	Delta engine speed cylinder 5 [Crankshaft rotation]	rpm
298	Unbalance detection minimum engine speed cylinder 4 [Crankshaft rotation]	
299	Unbalance detection minimum engine speed cylinder 5 [Crankshaft rotation]	
300	Engine speed [Turbo control]	rpm
301	Turbo actuator state [Turbo control]	
302	Intake air temperature in inlet manifold [Turbo control]	°F
303	BPV position [Turbo control]	%
304	Exhaust gas temperature after BPV [Turbo control]	°F
305	Actual Exhaust Gas Recirculation (EGR) valve position [Turbo control]	%
306	Coolant temperature [Turbo control]	°F
307	Ambient temperature [Turbo control]	°F
308	Ambient pressure (absolute) [Turbo control]	mBar
309	Inlet air temp after intercooler [Turbo control]	°F
310	Fuel quantity (actual) [Turbo control]	mg/stroke
311	Fuel pressure (relative) [Turbo control]	psi
312	Inlet air temp before compressor [Turbo control]	°F
313	Vehicle speed [Turbo control]	mph
314	VTG actuator position (requested) [Turbo control]	%
315	VTG actuator position (actual) [Turbo control]	%
316	Turbo speed [Turbo control]	rpm
317	Mass Air Flow (MAF) (calculated) [Turbo control]	lb/s
318	Engine speed [NOx overview]	rpm

319	NOx concentration before cat (target) [NOx overview]	PPM
320	Engine mode [NOx overview]	
321	Exhaust gas temperature after BPV [NOx overview]	°F
322	Ambient temperature [NOx overview]	°F
323	Fuel quantity (actual) [NOx overview]	mg/stroke
324	Vehicle speed [NOx overview]	mph
325	NOx concentration before cat (calculated) [NOx overview]	PPM
326	Ambient pressure (absolute) [Exhaust gas pressure in front of turbine]	mBar
327	Electronic Stability Control (ESC) status, Power Take-Off (PTO) status [Engine speed control Power Take-Off (PTO)]	
328	Electronic Stability Control (ESC) set + Power Take-Off (PTO) set + [Engine speed control Power Take-Off (PTO)]	
329	Electronic Stability Control (ESC) resume or set - Power Take-Off (PTO) set - [Engine speed control Power Take-Off (PTO)]	
330	Transmission [Engine speed control Power Take-Off (PTO)]	
331	Electronic Stability Control (ESC) load (calculated), Power Take-Off (PTO) load (calculated) [Engine speed control Power Take-Off (PTO)]	%
332	Electronic Stability Control (ESC) status switch, Power Take-Off (PTO) status switch [Engine speed control Power Take-Off (PTO)]	
333	Electronic Stability Control (ESC) torque (actual), Power Take-Off (PTO) torque (actual) [Engine speed control Power Take-Off (PTO)]	%
334	Engine speed [Actual cooling performance]	rpm
335	Coolant temperature [Actual cooling performance]	°F
336	Fan speed [Actual cooling performance]	rpm
337	Fan control switch [Actual cooling performance]	
338	Coolant level too low [Actual cooling performance]	
339	Coolant level low [Actual cooling performance]	
340	Coolant pump speed (actual) [Actual cooling performance]	rpm
341	Brake pedal [Adaptive Cruise Control (ACC)]	
342	Cruise control (CC) set [Adaptive Cruise Control (ACC)]	
343	Cruise control (CC) resume [Adaptive Cruise Control (ACC)]	
344	Cruise control (CC) switch [Adaptive Cruise Control (ACC)]	
345	Clutch pedal [Adaptive Cruise Control (ACC)]	
346	Cruise control (CC) status [Adaptive Cruise Control (ACC)]	
347	Diesel Exhaust Fluid (DEF) tank quantity [SCR Overview]	%
348	Crankcase air pressure (relative) [Crankcase ventilation]	mBar
349	Crankcase ventilation module rotor speed [Crankcase ventilation]	rpm
350	EGT after SCR catalyst [Afterrun phase]	°F

351	Acceleration high fault zone (cylinder 5) [Cylinder 5 contribution]	%
352	Acceleration low fault zone (cylinder 5) [Cylinder 5 contribution]	%
353	Delta engine speed no fault zone (cylinder 5) [Cylinder 5 contribution]	%
354	Normalized engine speed low fault zone cylinder 5 [Cylinder 5 contribution]	%
355	Delta engine speed low fault zone (cylinder 5) [Cylinder 5 contribution]	%
356	Delta engine speed too low fault zone (cylinder 5) [Cylinder 5 contribution]	%
357	Normalized engine speed high fault zone cylinder 5 [Cylinder 5 contribution]	%
358	Normalized engine speed no fault zone cylinder 5 [Cylinder 5 contribution]	%
359	Acceleration too low fault zone (cylinder 5) [Cylinder 5 contribution]	%
360	Normalized engine speed too low fault zone cylinder 5 [Cylinder 5 contribution]	%
361	Delta engine speed high fault zone (cylinder 5) [Cylinder 5 contribution]	%
362	Acceleration no fault zone (cylinder 5) [Cylinder 5 contribution]	%
363	Acceleration too low fault zone (cylinder 3) [Cylinder 3 contribution]	%
364	Normalized engine speed no fault zone cylinder 3 [Cylinder 3 contribution]	%
365	Delta engine speed low fault zone (cylinder 3) [Cylinder 3 contribution]	%
366	Delta engine speed high fault zone (cylinder 3) [Cylinder 3 contribution]	%
367	Delta engine speed no fault zone (cylinder 3) [Cylinder 3 contribution]	%
368	Delta engine speed too low fault zone (cylinder 3) [Cylinder 3 contribution]	%
369	Acceleration low fault zone (cylinder 3) [Cylinder 3 contribution]	%
370	Normalized engine speed too low fault zone cylinder 3 [Cylinder 3 contribution]	%
371	Acceleration no fault zone (cylinder 3) [Cylinder 3 contribution]	%
372	Acceleration high fault zone (cylinder 3) [Cylinder 3 contribution]	%
373	Normalized engine speed high fault zone cylinder 3 [Cylinder 3 contribution]	%
374	Normalized engine speed low fault zone cylinder 3 [Cylinder 3 contribution]	%
375	Normalized eng spd too low fault zone (cyl 1) [Cylinder 1 contribution]	%
376	Delta eng spd too low fault zone (cyl 1) [Cylinder 1 contribution]	%
377	Accel high fault zone (cyl 1) [Cylinder 1 contribution]	%

378	Delta eng spd no fault zone (cyl 1) [Cylinder 1 contribution]	%
379	Delta eng spd high fault zone (cyl 1) [Cylinder 1 contribution]	%
380	Normalized eng spd low fault zone (cyl 1) [Cylinder 1 contribution]	%
381	Normalized eng spd no fault zone (cyl 1) [Cylinder 1 contribution]	%
382	Accel too low fault zone (cyl 1) [Cylinder 1 contribution]	%
383	Normalized eng spd high fault zone (cyl 1) [Cylinder 1 contribution]	%
384	Accel low fault zone (cyl 1) [Cylinder 1 contribution]	%
385	Delta eng spd low fault zone (cyl 1) [Cylinder 1 contribution]	%
386	Accel no fault zone (cyl 1) [Cylinder 1 contribution]	%
387	Normalized engine speed high fault zone cylinder 6 [Cylinder 6 contribution]	%
388	Normalized engine speed no fault zone cylinder 6 [Cylinder 6 contribution]	%
389	Acceleration high fault zone (cylinder 6) [Cylinder 6 contribution]	%
390	Delta engine speed high fault zone (cylinder 6) [Cylinder 6 contribution]	%
391	Normalized engine speed too low fault zone cylinder 6 [Cylinder 6 contribution]	%
392	Acceleration low fault zone (cylinder 6) [Cylinder 6 contribution]	%
393	Delta engine speed low fault zone (cylinder 6) [Cylinder 6 contribution]	%
394	Acceleration too low fault zone (cylinder 6) [Cylinder 6 contribution]	%
395	Delta engine speed no fault zone (cylinder 6) [Cylinder 6 contribution]	%
396	Normalized engine speed low fault zone cylinder 6 [Cylinder 6 contribution]	%
397	Acceleration no fault zone (cylinder 6) [Cylinder 6 contribution]	%
398	Delta engine speed too low fault zone (cylinder 6) [Cylinder 6 contribution]	%
399	Normalized eng spd no fault zone (cyl 2) [Cylinder 2 contribution]	%
400	Accel high fault zone (cyl 2) [Cylinder 2 contribution]	%
401	Delta eng spd high fault zone (cyl 2) [Cylinder 2 contribution]	%
402	Normalized eng spd high fault zone (cyl 2) [Cylinder 2 contribution]	%
403	Accel too low fault zone (cyl 2) [Cylinder 2 contribution]	%
404	Normalized eng spd low fault zone (cyl 2) [Cylinder 2 contribution]	%
405	Delta eng spd too low fault zone (cyl 2) [Cylinder 2 contribution]	%
406	Delta eng spd no fault zone (cyl 2) [Cylinder 2 contribution]	%
407	Accel no fault zone (cyl 2) [Cylinder 2 contribution]	%
408	Delta eng spd low fault zone (cyl 2) [Cylinder 2 contribution]	%

409	Accel low fault zone (cyl 2) [Cylinder 2 contribution]	%
410	Normalized eng spd too low fault zone (cyl 2) [Cylinder 2 contribution]	%
411	Delta engine speed high fault zone (cylinder 4) [Cylinder 4 contribution]	%
412	Acceleration high fault zone (cylinder 4) [Cylinder 4 contribution]	%
413	Acceleration low fault zone (cylinder 4) [Cylinder 4 contribution]	%
414	Normalized engine speed low fault zone cylinder 4 [Cylinder 4 contribution]	%
415	Acceleration no fault zone (cylinder 4) [Cylinder 4 contribution]	%
416	Normalized engine speed high fault zone cylinder 4 [Cylinder 4 contribution]	%
417	Normalized engine speed no fault zone cylinder 4 [Cylinder 4 contribution]	%
418	Delta engine speed low fault zone (cylinder 4) [Cylinder 4 contribution]	%
419	Normalized engine speed too low fault zone cylinder 4 [Cylinder 4 contribution]	%
420	Delta engine speed no fault zone (cylinder 4) [Cylinder 4 contribution]	%
421	Delta engine speed too low fault zone (cylinder 4) [Cylinder 4 contribution]	%
422	Acceleration too low fault zone (cylinder 4) [Cylinder 4 contribution]	%
423	Inlet air pres before compressor (relative) [Inlet air pressure in inlet manifold]	mBar
424	Inlet air pres in inlet manifold (relative) [Inlet air pressure in inlet manifold]	mBar
425	Exhaust gas pres after BPV (relative) [Performance]	mBar
426	Exhaust gas pres before turbine (relative) [Performance]	mBar
427	Inlet air pres in inlet manifold (relative) [Performance]	mBar
428	Reserved speed offset [Vehicle speed limit]	mph
429	Fuel pres fuel inlet module (relative) [Regeneration]	psi
430	Exhaust gas pres after BPV (relative) [General engine]	mBar
431	Exhaust gas pres before turbine (relative) [General engine]	mBar
432	Exhaust gas pres before turbine (reqd) (relative) [General engine]	mBar
433	Fuel pres fuel inlet module (relative) [General engine]	psi
434	Inlet air pres before compressor (relative) [General engine]	mBar
435	Inlet air pres in inlet manifold (relative) [General engine]	mBar
436	Exhaust gas pres after BPV (relative) [Aftertreatment overview]	mBar
437	Exhaust gas pres before turbine (relative) [Aftertreatment overview]	mBar
438	Fuel pres fuel inlet module (relative) [Aftertreatment overview]	psi

439	Inlet air pres before compressor (relative) [Aftertreatment overview]	mBar
440	Inlet air pres in inlet manifold (relative) [Aftertreatment overview]	mBar
441	Exhaust gas pres after BPV (relative) [Engine start and idle]	mBar
442	Exhaust gas pres before turbine (relative) [Engine start and idle]	mBar
443	Exhaust gas pres before turbine (reqd) (relative) [Engine start and idle]	mBar
444	Inlet air pres before compressor (relative) [Engine start and idle]	mBar
445	Fuel pres fuel inlet module (relative) [Overview]	psi
446	Exhaust gas pres after BPV (relative) [Turbo control]	mBar
447	Exhaust gas pres before turbine (relative) [Turbo control]	mBar
448	Inlet air pres before compressor (relative) [Turbo control]	mBar
449	Inlet air pres in inlet manifold (relative) [Turbo control]	mBar
450	Exhaust gas pres before turbine (relative) [Exhaust gas pressure in front of turbine]	mBar
451	Exhaust gas pres before turbine (reqd) (relative) [Exhaust gas pressure in front of turbine]	mBar