

Electronic Service Tool 2024C v1.0

Product Status Report

9/10/2026 1:05 PM

Product Status Report

Parameter	Value
Engine Serial Number	PJ38421U004884P
Equipment ID	NOT PROGRAMMED
Comments	

Perkins 1106D Genset (PJ38421U004884P)

Parameter	Value
Equipment ID	NOT PROGRAMMED
Engine Serial Number	PJ38421U004884P
ECM Serial Number	18646214MB
Software Group Part Number	4234620-00
Software Group Release Date	DEC12
Software Group Description	Perkins 60Hz TAG4

Logged Diagnostic Codes [ECM Diagnostic Clock = 0 hours] - Perkins 1106D Genset (PJ38421U004884P)

Code	Description	Occ.	First	Last
100- 3	Engine Oil Pressure Sensor shorted high	2	0	0
247- 9	J1939 Datalink abnormal update	4	0	0
526- 5	Turbo Wastegate Drive : Current Below Normal	1	0	0
1785- 3	Intake Manifold Pressure Sensor : Voltage Above Normal	2	0	0
1797- 3	Fuel Rail Pressure Sensor : Voltage Above Normal	2	0	0

Logged Event Codes [ECM Diagnostic Clock = 0 hours] - Perkins 1106D Genset (PJ38421U004884P)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Perkins 1106D Genset (PJ38421U004884P)

Code	Description
247- 9	J1939 Datalink abnormal update

Active Event Codes - Perkins 1106D Genset (PJ38421U004884P)

Code	Description
No Active Events	

Current Totals - Perkins 1106D Genset (PJ38421U004884P)

Description	Value	Unit
Fuel Used	2	gal
ECM Diagnostic Clock	0	hours
Engine Starts	Unavailable	
Average Fuel Rate Based Percent Engine Load Factor	0	%
Total Idle Time	0:00	hours
Total Idle Fuel	0	gal
Total Engine Operating Hours	0	hours
Percentage Idle Time	0.00	%
Average Fuel Rate	0.00	gal/h

Configuration - Perkins 1106D Genset (PJ38421U004884P)

Description	Value	Unit
Equipment ID	NOT PROGRAMMED	
Engine Serial Number	PJ38421U004884P	
ECM Serial Number	18646214MB	
Software Group Part Number	4234620-00	
Software Group Release Date	DEC12	
Software Group Description	Perkins 60Hz TAG4	
Rating Number	1	
Rated Frequency	60 Hz	
Rated Engine Speed	1800rpm	
Rated Real Genset Power	175 kW	
Rated Apparent Genset Power	Unavailable Parameter	
Rating Configuration	Low Emissions	
Test Spec	OT2694	
Rated Standby Power	175 kW	
Rated Prime Power	160 kW	
Rated Genset Speed	1800 rpm	
Engine Rating Application Type	Standby	
External Speed Selection Switch Installed	Disabled	
Engine Acceleration Rate	500	rpm/s
Low Idle Speed	1800	rpm
Engine Speed Droop	0.0	%
Speed Control Minimum Speed	125	rpm
Speed Control Maximum Speed	125	rpm
Crank Terminate RPM	400	rpm
Droop/Isochronous Selection	Externally Requested Droop	
Digital Speed Control Ramp Rate	Unavailable	rpm/s
Digital Speed Control Installed	Not Installed	
Remote Emergency Stop (E-Stop) Switch Input Type Configuration	Not Installed	
Droop/Isochronous Switch Installed	Disabled	
Maintenance Indicator Mode	Off	
Maintenance Level 1 Cycle Interval Hours	500	hours
Desired Speed Input Arrangement	CAN Input	

Secondary Desired Speed Input Configuration	Not Installed	
Fuel Enable Input Configuration	Not Installed	
Secondary Fuel Enable Input Enable Status	Disabled	
Critical Override Switch Installed	Installed	
Emergency Shutdown Override Input Configuration	Switch to Ground	
Governor Gain Factor #1	47186	
Governor Minimum Stability Factor #1	2818	
Governor Maximum Stability Factor #1	7864	
Full Load Setting (FLS)	2	
Full Torque Setting (FTS)	-7	
Total Tattletales	6	
Top Engine Limit	1850	rpm

Event Triggered: Time vs Engine Coolant Temperature - Perkins 1106D Genset

(PJ38421U004884P)

Engine Coolant Temperature(Deg F)	hours	%
<122.0	0.00	0.00
122.0-130.9	0.00	0.00
131.0-139.9	0.00	0.00
140.0-148.9	0.00	0.00
149.0-157.9	0.00	0.00
158.0-166.9	0.00	0.00
167.0-175.9	0.00	0.00
176.0-184.9	0.00	0.00
185.0-193.9	0.00	0.00
194.0-202.9	0.00	0.00
203.0-211.9	0.00	0.00
212.0-220.9	0.00	0.00
221.0-229.9	0.00	0.00
230.0-238.9	0.00	0.00
239.0-248.0	0.00	0.00
>248.0	0.00	0.00

Event Triggered: Time vs Intake Manifold Air Temperature - Perkins 1106D Genset

(PJ38421U004884P)

Intake Manifold Air Temperature(Deg F)	hours	%
<104.0	0.00	0.00
104.0-112.9	0.00	0.00
113.0-121.9	0.00	0.00
122.0-130.9	0.00	0.00
131.0-139.9	0.00	0.00
140.0-148.9	0.00	0.00
149.0-157.9	0.00	0.00
158.0-166.9	0.00	0.00

167.0-175.9	0.00	0.00
176.0-184.9	0.00	0.00
185.0-193.9	0.00	0.00
194.0-202.9	0.00	0.00
203.0-212.0	0.00	0.00
>212.0	0.00	0.00

Event Triggered:Time vs Intake Manifold Pressure - Perkins 1106D Genset (PJ38421U004884P)

Intake Manifold Pressure(psi)	hours	%
<1.6	0.00	0.00
1.6-13.0	0.00	0.00
13.1-14.4	0.00	0.00
14.5-15.9	0.00	0.00
16.0-17.3	0.00	0.00
17.4-18.8	0.00	0.00
18.9-20.2	0.00	0.00
20.3-21.7	0.00	0.00
21.8-23.1	0.00	0.00
23.2-24.6	0.00	0.00
24.7-26.0	0.00	0.00
26.1-27.5	0.00	0.00
27.6-29.0	0.00	0.00
>29.0	0.00	0.00

Event Triggered:Time vs Actual Engine Speed And Engine Load Factor - Perkins 1106D Genset (PJ38421U004884P)

rpm	<1000	1000-1199	1200-1399	1400-1599	1600-1799	1800-1999	2000-2199	2200-2400	>2400
%									
<50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
50-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70-79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80-90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
>90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Event Triggered:Time vs Actual Engine Speed And Engine Load Factor - Perkins 1106D Genset (PJ38421U004884P)

rpm	Total
%	
<50	0.00
50-59	0.00
60-69	0.00
70-79	0.00
80-90	0.00
>90	0.00
Total	0.00

Event Triggered:Total Occurrences vs Actual Engine Speed - Perkins 1106D Genset (PJ38421U004884P)

Actual Engine Speed(rpm)	Count	%
<2600.0	0	0.00
2600.0-2699.9	0	0.00
2700.0-2799.9	0	0.00
2800.0-2899.9	0	0.00
2900.0-2999.9	0	0.00
3000.0-3099.9	0	0.00
3100.0-3199.9	0	0.00
3200.0-3299.9	0	0.00
3300.0-3400.0	0	0.00
>3400.0	0	0.00

Injector Trim Calibration - Perkins 1106D Genset (PJ38421U004884P)

Injector	Serial Number	File Version
Injector1	000000002S0016277887	1
Injector2	000000002S0016278375	1
Injector3	000000002S0016278272	1
Injector4	000000002S0016281288	1
Injector5	000000002S00162710C1	1
Injector6	000000002S00162722F0	1

Monitoring System - Perkins 1106D Genset (PJ38421U004884P)

Description	State	Trip Point	Delay Time
<u>Engine Overspeed</u>			
Least Severe (1)	Always On	2200 rpm	1 sec
Most Severe (3)	Always On	2300 rpm	0 sec
<u>High Engine Coolant Temperature</u>			
Least Severe (1)	Always On	235 Deg F	10 sec
Moderate Severity (2)	Off	237 Deg F	10 sec
Most Severe (3)	Always On	244 Deg F	2 sec
<u>High Engine Inlet Air Temperature</u>			
Least Severe (1)	Always On	179.6 Deg F	8 sec
Moderate Severity (2)	Off	186.8 Deg F	8 sec
<u>Low Engine Oil Pressure</u>			
Least Severe (1)	Always On	None	8 sec
Most Severe (3)	Always On	None	4 sec

Maintenance Indicator - Perkins 1106D Genset (PJ38421U004884P)

Description	Service Status	Value	Unit
PM1	---	Unavailable	

Electronic Service Tool 2024C v1.0

Product Status Report

9/11/2026 2:28 PM

Product Status Report

Parameter	Value
Engine Serial Number	PJ38421U004884P
Equipment ID	NOT PROGRAMMED
Comments	

Perkins 1106D Genset (PJ38421U004884P)

Parameter	Value
Equipment ID	NOT PROGRAMMED
Engine Serial Number	PJ38421U004884P
ECM Serial Number	18646214MB
Software Group Part Number	4234620-00
Software Group Release Date	DEC12
Software Group Description	Perkins 60Hz TAG4

Logged Diagnostic Codes [ECM Diagnostic Clock = 1 hours] - Perkins 1106D Genset (PJ38421U004884P)

Code	Description	Occ.	First	Last
247- 9	J1939 Datalink abnormal update	18	0	1
100- 3	Engine Oil Pressure Sensor shorted high	2	0	0
526- 5	Turbo Wastegate Drive : Current Below Normal	1	0	0
1785- 3	Intake Manifold Pressure Sensor : Voltage Above Normal	2	0	0
1797- 3	Fuel Rail Pressure Sensor : Voltage Above Normal	2	0	0

Logged Event Codes [ECM Diagnostic Clock = 1 hours] - Perkins 1106D Genset (PJ38421U004884P)

Code	Description	Occ.	First	Last
No Logged Event Codes				

Active Diagnostic Codes - Perkins 1106D Genset (PJ38421U004884P)

Code	Description
247- 9	J1939 Datalink abnormal update

Active Event Codes - Perkins 1106D Genset (PJ38421U004884P)

Code	Description
No Active Events	

Current Totals - Perkins 1106D Genset (PJ38421U004884P)

Description	Value	Unit
Fuel Used	7	gal
ECM Diagnostic Clock	1	hours
Engine Starts	Unavailable	
Average Fuel Rate Based Percent Engine Load Factor	9	%
Total Idle Time	0:00	hours
Total Idle Fuel	0	gal
Total Engine Operating Hours	1	hours
Percentage Idle Time	0.00	%
Average Fuel Rate	7.00	gal/h

Configuration - Perkins 1106D Genset (PJ38421U004884P)

Description	Value	Unit
Equipment ID	NOT PROGRAMMED	
Engine Serial Number	PJ38421U004884P	
ECM Serial Number	18646214MB	
Software Group Part Number	4234620-00	
Software Group Release Date	DEC12	
Software Group Description	Perkins 60Hz TAG4	
Rating Number	1	
Rated Frequency	60 Hz	
Rated Engine Speed	1800rpm	
Rated Real Genset Power	175 kW	
Rated Apparent Genset Power	Unavailable Parameter	
Rating Configuration	Low Emissions	
Test Spec	OT2694	
Rated Standby Power	175 kW	
Rated Prime Power	160 kW	
Rated Genset Speed	1800 rpm	
Engine Rating Application Type	Standby	
External Speed Selection Switch Installed	Disabled	
Engine Acceleration Rate	500	rpm/s
Low Idle Speed	1800	rpm
Engine Speed Droop	0.0	%
Speed Control Minimum Speed	125	rpm
Speed Control Maximum Speed	125	rpm
Crank Terminate RPM	400	rpm
Droop/Isochronous Selection	Externally Requested Droop	
Digital Speed Control Ramp Rate	Unavailable	rpm/s
Digital Speed Control Installed	Not Installed	
Remote Emergency Stop (E-Stop) Switch Input Type Configuration	Not Installed	
Droop/Isochronous Switch Installed	Disabled	
Maintenance Indicator Mode	Off	
Maintenance Level 1 Cycle Interval Hours	500	hours
Desired Speed Input Arrangement	CAN Input	

Secondary Desired Speed Input Configuration	Not Installed	
Fuel Enable Input Configuration	Not Installed	
Secondary Fuel Enable Input Enable Status	Disabled	
Critical Override Switch Installed	Installed	
Emergency Shutdown Override Input Configuration	Switch to Ground	
Governor Gain Factor #1	47186	
Governor Minimum Stability Factor #1	2818	
Governor Maximum Stability Factor #1	7864	
Full Load Setting (FLS)	2	
Full Torque Setting (FTS)	-7	
Total Tattletales	6	
Top Engine Limit	1850	rpm

**Event Triggered: Time vs Engine Coolant Temperature - Perkins 1106D Genset
(PJ38421U004884P)**

Engine Coolant Temperature(Deg F)	hours	%
<122.0	0.10	13.33
122.0-130.9	0.05	6.67
131.0-139.9	0.00	0.00
140.0-148.9	0.00	0.00
149.0-157.9	0.00	0.00
158.0-166.9	0.00	0.00
167.0-175.9	0.00	0.00
176.0-184.9	0.45	60.00
185.0-193.9	0.10	13.33
194.0-202.9	0.05	6.67
203.0-211.9	0.00	0.00
212.0-220.9	0.00	0.00
221.0-229.9	0.00	0.00
230.0-238.9	0.00	0.00
239.0-248.0	0.00	0.00
>248.0	0.00	0.00

**Event Triggered: Time vs Intake Manifold Air Temperature - Perkins 1106D Genset
(PJ38421U004884P)**

Intake Manifold Air Temperature(Deg F)	hours	%
<104.0	0.00	0.00
104.0-112.9	0.00	0.00
113.0-121.9	0.00	0.00
122.0-130.9	0.00	0.00
131.0-139.9	0.00	0.00
140.0-148.9	0.00	0.00
149.0-157.9	0.00	0.00
158.0-166.9	0.00	0.00

167.0-175.9	0.00	0.00
176.0-184.9	0.00	0.00
185.0-193.9	0.00	0.00
194.0-202.9	0.00	0.00
203.0-212.0	0.00	0.00
>212.0	0.00	0.00

Event Triggered:Time vs Intake Manifold Pressure - Perkins 1106D Genset (PJ38421U004884P)

Intake Manifold Pressure(psi)	hours	%
<11.6	0.00	0.00
11.6-13.0	0.00	0.00
13.1-14.4	0.00	0.00
14.5-15.9	0.00	0.00
16.0-17.3	0.00	0.00
17.4-18.8	0.00	0.00
18.9-20.2	0.00	0.00
20.3-21.7	0.00	0.00
21.8-23.1	0.00	0.00
23.2-24.6	0.00	0.00
24.7-26.0	0.00	0.00
26.1-27.5	0.00	0.00
27.6-29.0	0.00	0.00
>29.0	0.00	0.00

Event Triggered:Time vs Actual Engine Speed And Engine Load Factor - Perkins 1106D Genset (PJ38421U004884P)

rpm	<1000	1000-1199	1200-1399	1400-1599	1600-1799	1800-1999	2000-2199	2200-2400	>2400
%									
<50	0.00	0.00	0.00	0.00	0.15	0.20	0.00	0.00	0.00
50-59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60-69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
70-79	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00	0.00
80-90	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00
>90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.20	0.30	0.00	0.00	0.00

Event Triggered:Time vs Actual Engine Speed And Engine Load Factor - Perkins 1106D Genset (PJ38421U004884P)

rpm	Total
%	
<50	0.35
50-59	0.00
60-69	0.00
70-79	0.10
80-90	0.05
>90	0.00
Total	0.50

Event Triggered:Total Occurrences vs Actual Engine Speed - Perkins 1106D Genset (PJ38421U004884P)

Actual Engine Speed(rpm)	Count	%
<2600.0	0	0.00
2600.0-2699.9	0	0.00
2700.0-2799.9	0	0.00
2800.0-2899.9	0	0.00
2900.0-2999.9	0	0.00
3000.0-3099.9	0	0.00
3100.0-3199.9	0	0.00
3200.0-3299.9	0	0.00
3300.0-3400.0	0	0.00
>3400.0	0	0.00

Injector Trim Calibration - Perkins 1106D Genset (PJ38421U004884P)

Injector	Serial Number	File Version
Injector1	000000002S0016277887	1
Injector2	000000002S0016278375	1
Injector3	000000002S0016278272	1
Injector4	000000002S0016281288	1
Injector5	000000002S00162710C1	1
Injector6	000000002S00162722F0	1

Monitoring System - Perkins 1106D Genset (PJ38421U004884P)

Description	State	Trip Point	Delay Time
<u>Engine Overspeed</u>			
Least Severe (1)	Always On	2200 rpm	1 sec
Most Severe (3)	Always On	2300 rpm	0 sec
<u>High Engine Coolant Temperature</u>			
Least Severe (1)	Always On	235 Deg F	10 sec
Moderate Severity (2)	Off	237 Deg F	10 sec
Most Severe (3)	Always On	244 Deg F	2 sec
<u>High Engine Inlet Air Temperature</u>			
Least Severe (1)	Always On	179.6 Deg F	8 sec
Moderate Severity (2)	Off	186.8 Deg F	8 sec
<u>Low Engine Oil Pressure</u>			
Least Severe (1)	Always On	None	8 sec
Most Severe (3)	Always On	None	4 sec

Maintenance Indicator - Perkins 1106D Genset (PJ38421U004884P)

Description	Service Status	Value	Unit
PM1	---	Unavailable	