

Cat Electronic Technician 2023C v1.0

Product Status Report

26-3-2026 13:46

Product Status Report

| Parameter | Value |
|----------------------|------------------|
| Engine Serial Number | CTG00509 |
| Equipment ID | BBVA CPD VAGUADA |
| Comments | |

3516B Engine - Genset #1 (CTG00509)

| Parameter | Value |
|---------------------------------|------------------|
| Equipment ID | BBVA CPD VAGUADA |
| Engine Serial Number | CTG00509 |
| ECM Serial Number | 2157B137CD |
| Personality Module Part Number | 2559315-00 |
| Personality Module Release Date | Feb04 |
| Personality Module Description | GEN 3516 |

Logged Diagnostic Codes [Diagnostic Clock = 193 hours] - 3516B Engine - Genset #1 (CTG00509)

| Code | Description | Occ. | First | Last |
|--------|--|------|-------|------|
| 94- 3 | Fuel Delivery Pressure Sensor : Voltage Above Normal | 1 | 193 | 193 |
| 101- 3 | Crankcase Air Pressure Sensor : Voltage Above Normal | 1 | 193 | 193 |
| 110- 3 | Engine Coolant Temperature Sensor : Voltage Above Normal | 1 | 193 | 193 |
| 168- 2 | Electrical System Voltage : Erratic, Intermittent, or Incorrect | 2 | 193 | 193 |
| 273- 3 | Turbocharger Outlet Pressure Sensor : Voltage Above Normal | 1 | 193 | 193 |
| 274- 3 | Atmospheric Pressure Sensor : Voltage Above Normal | 1 | 193 | 193 |
| 276- 3 | Left Turbocharger Inlet Pressure Sensor : Voltage Above Normal | 1 | 193 | 193 |
| 289- 3 | Fuel Pressure Sensor - Before Fuel Filter : Voltage Above Normal | 1 | 193 | 193 |
| 337- 2 | Remote Emergency Stop Switch : Erratic, Intermittent, or Incorrect | 3 | 193 | 193 |
| 827- 8 | Left Exhaust Temperature Sensor : Abnormal Frequency, Pulse Width, or Period | 1 | 193 | 193 |

Loaded Event Codes [Diagnostic Clock = 193 hours] - 3516B Engine - Genset #1 (CTG00509)

| Code | Description | Occ. | First | Last |
|------|----------------------|------|-------|------|
| E009 | High Altitude Derate | 14 | 9 | 175 |

Active Diagnostic Codes - 3516B Engine - Genset #1 (CTG00509)

| Code | Description |
|--------|---|
| 91- 8 | Throttle Position Sensor : Abnormal Frequency, Pulse Width, or Period |
| 94- 3 | Fuel Delivery Pressure Sensor : Voltage Above Normal |
| 101- 3 | Crankcase Air Pressure Sensor : Voltage Above Normal |
| 110- 3 | Engine Coolant Temperature Sensor : Voltage Above Normal |
| 190- 3 | Engine Speed Sensor : Voltage Above Normal |
| 273- 3 | Turbocharger Outlet Pressure Sensor : Voltage Above Normal |
| 274- 3 | Atmospheric Pressure Sensor : Voltage Above Normal |
| 275- 3 | Right Turbocharger Inlet Pressure Sensor : Voltage Above Normal |
| 276- 3 | Left Turbocharger Inlet Pressure Sensor : Voltage Above Normal |
| 289- 3 | Fuel Pressure Sensor - Before Fuel Filter : Voltage Above Normal |
| 827- 8 | Left Exhaust Temperature Sensor : Abnormal Frequency, Pulse Width, or Period |
| 828- 8 | Right Exhaust Temperature Sensor : Abnormal Frequency, Pulse Width, or Period |

Current Totals - 3516B Engine - Genset #1 (CTG00509)

| Description | Value | Unit |
|-------------|-------|-------|
| Total Time | 193 | hours |
| Total Fuel | 29834 | L |

Configuration - 3516B Engine - Genset #1 (CTG00509)

| Description | Value | Unit |
|---------------------------------|---------------------------------|-------|
| Equipment ID | BBVA CPD VAGUADA | |
| Engine Serial Number | CTG00509 | |
| Fuel Ratio Control Offset | 0 | |
| ECM Serial Number | 2157B137CD | |
| Personality Module Part Number | 2559315-00 | |
| Personality Module Release Date | Feb04 | |
| FLS | 0 | |
| FTS | 0 | |
| Rated Engine Speed | 1500 | rpm |
| Rated Fuel Position | 29,200 | mm |
| Acceleration Delay Time | 0 | sec |
| Engine Acceleration Rate | 250 | rpm/s |
| Low Idle Speed | 900 | rpm |
| Cooldown Speed | 900 | rpm |
| Cooldown Duration | 0 | min |
| Engine Pre-Lube Duration | 0 | sec |
| Crank Duration | 0 | sec |
| Maximum Number of Crank Cycles | 0 | |
| Crank Terminate RPM | 400 | rpm |
| Air Shutoff | Disabled | |
| Ether Control | Disabled | |
| Engine Cooling System Config | JWAC (Jacket Water Aftercooled) | |
| Fuel Correction Factor | 0 | % |
| Cat Data Link #2 Identifier | Engine Control #1 | |
| Cold Cylinder Cutout | Disabled | |

| | | |
|--------------------------|----------|---|
| Direct Fuel Control Mode | Disabled | |
| Total Tattletale | 14 | |
| Gov. Max. Stability | 383 | |
| Gov. Min. Stability | 7864 | |
| Governor Gain | 1280 | |
| Load Warning Set | 40 | % |

Lifetime: Time vs Engine Speed - 3516B Engine - Genset #1 (CTG00509)

| Engine Speed(rpm) | hours | % |
|---------------------|--------|-------|
| <400,0 | 1,25 | 0,65 |
| 400,0-499,0 | 0,30 | 0,16 |
| 500,0-599,0 | 0,25 | 0,13 |
| 600,0-699,0 | 0,25 | 0,13 |
| 700,0-799,0 | 0,20 | 0,10 |
| 800,0-899,0 | 0,25 | 0,13 |
| 900,0-999,0 | 0,50 | 0,26 |
| 1000,0-1099,0 | 0,20 | 0,10 |
| 1100,0-1199,0 | 0,25 | 0,13 |
| 1200,0-1299,0 | 0,20 | 0,10 |
| 1300,0-1399,0 | 0,20 | 0,10 |
| 1400,0-1499,0 | 10,90 | 5,65 |
| 1500,0-1599,0 | 178,30 | 92,36 |
| 1600,0-1699,0 | 0,00 | 0,00 |
| 1700,0-1799,0 | 0,00 | 0,00 |
| 1800,0-1899,0 | 0,00 | 0,00 |
| 1900,0-1999,0 | 0,00 | 0,00 |
| >2000,0 | 0,00 | 0,00 |

Lifetime: Time vs Engine Load Factor - 3516B Engine - Genset #1 (CTG00509)

| Engine Load Factor(%) | hours | % |
|-------------------------|-------|-------|
| 0,0-4,0 | 2,80 | 1,45 |
| 5,0-9,0 | 57,40 | 29,77 |
| 10,0-14,0 | 5,70 | 2,96 |
| 15,0-19,0 | 3,90 | 2,02 |
| 20,0-24,0 | 1,00 | 0,52 |
| 25,0-29,0 | 7,30 | 3,79 |
| 30,0-34,0 | 11,05 | 5,73 |
| 35,0-39,0 | 25,85 | 13,41 |
| 40,0-44,0 | 18,55 | 9,62 |
| 45,0-49,0 | 19,35 | 10,04 |
| 50,0-54,0 | 15,15 | 7,86 |
| 55,0-59,0 | 14,00 | 7,26 |
| 60,0-64,0 | 6,60 | 3,42 |
| 65,0-69,0 | 2,50 | 1,30 |
| 70,0-74,0 | 1,00 | 0,52 |
| 75,0-79,0 | 0,35 | 0,18 |
| 80,0-84,0 | 0,00 | 0,00 |
| 85,0-89,0 | 0,00 | 0,00 |

| | | |
|-----------|------|------|
| 90,0-94,0 | 0,15 | 0,08 |
| 95,0-99,0 | 0,05 | 0,03 |
| >100,0 | 0,10 | 0,05 |

Lifetime: Time vs Left Exhaust Temperature - 3516B Engine - Genset #1 (CTG00509)

| Left Exhaust Temperature(Deg C) | hours | % |
|-----------------------------------|-------|-------|
| <450,0 | 76,30 | 39,53 |
| 450,0-464,0 | 3,30 | 1,71 |
| 465,0-479,0 | 5,00 | 2,59 |
| 480,0-494,0 | 1,85 | 0,96 |
| 495,0-509,0 | 23,35 | 12,10 |
| 510,0-524,0 | 7,30 | 3,78 |
| 525,0-539,0 | 8,05 | 4,17 |
| 540,0-554,0 | 26,60 | 13,78 |
| 555,0-569,0 | 13,50 | 6,99 |
| 570,0-584,0 | 11,10 | 5,75 |
| 585,0-599,0 | 11,90 | 6,17 |
| 600,0-614,0 | 4,05 | 2,10 |
| 615,0-629,0 | 0,50 | 0,26 |
| 630,0-644,0 | 0,20 | 0,10 |
| 645,0-659,0 | 0,00 | 0,00 |
| 660,0-674,0 | 0,00 | 0,00 |
| 675,0-689,0 | 0,00 | 0,00 |
| 690,0-704,0 | 0,00 | 0,00 |
| 705,0-719,0 | 0,00 | 0,00 |
| 720,0-734,0 | 0,00 | 0,00 |
| 735,0-749,0 | 0,00 | 0,00 |
| 750,0-764,0 | 0,00 | 0,00 |
| >765,0 | 0,00 | 0,00 |

Lifetime: Time vs Right Exhaust Temperature - 3516B Engine - Genset #1 (CTG00509)

| Right Exhaust Temperature(Deg C) | hours | % |
|------------------------------------|-------|-------|
| <450,0 | 79,80 | 41,35 |
| 450,0-464,0 | 6,05 | 3,13 |
| 465,0-479,0 | 6,80 | 3,52 |
| 480,0-494,0 | 18,95 | 9,82 |
| 495,0-509,0 | 6,10 | 3,16 |
| 510,0-524,0 | 13,85 | 7,18 |
| 525,0-539,0 | 21,40 | 11,09 |
| 540,0-554,0 | 14,75 | 7,64 |
| 555,0-569,0 | 10,60 | 5,49 |
| 570,0-584,0 | 11,05 | 5,73 |
| 585,0-599,0 | 3,05 | 1,58 |
| 600,0-614,0 | 0,45 | 0,23 |
| 615,0-629,0 | 0,15 | 0,08 |
| 630,0-644,0 | 0,00 | 0,00 |

| | | |
|-------------|------|------|
| 645,0-659,0 | 0,00 | 0,00 |
| 660,0-674,0 | 0,00 | 0,00 |
| 675,0-689,0 | 0,00 | 0,00 |
| 690,0-704,0 | 0,00 | 0,00 |
| 705,0-719,0 | 0,00 | 0,00 |
| 720,0-734,0 | 0,00 | 0,00 |
| 735,0-749,0 | 0,00 | 0,00 |
| 750,0-764,0 | 0,00 | 0,00 |
| >765,0 | 0,00 | 0,00 |

Monitoring System - 3516B Engine - Genset #1 (CTG00509)

| Description | State | Trip Point | Delay Time |
|---|-------|------------|------------|
| <u>Altitude (atmospheric pressure)</u> | | | |
| Moderate Severity (2) | On | 92,5 kPa | 0 sec |
| <u>Engine Overspeed</u> | | | |
| Least Severe (1) | On | 1770 rpm | 0 sec |
| Most Severe (3) | On | 1770 rpm | 0 sec |
| <u>High Aftercooler Coolant Temperature</u> | | | |
| Least Severe (1) | On | 102 Deg C | 5 sec |
| Moderate Severity (2) | On | 107 Deg C | 5 sec |
| Most Severe (3) | On | 107 Deg C | 5 sec |
| <u>High Air Filter Restriction Pressure</u> | | | |
| Least Severe (1) | On | 7,0 kPa | 5 sec |
| Moderate Severity (2) | On | 7,0 kPa | 5 sec |
| <u>High Crankcase Pressure</u> | | | |
| Least Severe (1) | On | 2,0 kPa | 3 sec |
| Moderate Severity (2) | On | 4,0 kPa | 10 sec |
| Most Severe (3) | On | 6,0 kPa | 10 sec |
| <u>High Engine Coolant Temperature</u> | | | |
| Least Severe (1) | On | 102 Deg C | 5 sec |
| Moderate Severity (2) | On | 107 Deg C | 30 sec |
| Most Severe (3) | On | 107 Deg C | 5 sec |
| <u>High Engine Oil Filter Restriction Pressure</u> | | | |
| Least Severe (1) | On | 105 kPa | 5 sec |
| <u>High Exhaust Temperature</u> | | | |
| Least Severe (1) | On | 700 Deg C | 5 sec |
| Moderate Severity (2) | On | 700 Deg C | 5 sec |
| <u>High Fuel Filter Restriction Pressure</u> | | | |
| Least Severe (1) | On | 105 kPa | 5 sec |
| <u>Low Engine Coolant Temperature</u> | | | |
| Least Severe (1) | On | 80 Deg C | 5 sec |

| | | | |
|--------------------------------|----|----------|--------|
| Low Engine Oil Pressure | | | |
| Least Severe (1) | On | None | 4 sec |
| Most Severe (3) | On | None | 9 sec |
| Low System Voltage | | | |
| Least Severe (1) | On | 20 Volts | 10 sec |

Injector Codes Calibration - 3516B Engine - Genset #1 (CTG00509)

| Injector | Code |
|-----------------|-------------|
| Injector 1 | 4871 |
| Injector 2 | 2897 |
| Injector 3 | 4545 |
| Injector 4 | 4102 |
| Injector 5 | 6722 |
| Injector 6 | 6826 |
| Injector 7 | 6525 |
| Injector 8 | 4630 |
| Injector 9 | 5205 |
| Injector 10 | 6637 |
| Injector 11 | 2755 |
| Injector 12 | 6300 |
| Injector 13 | 7825 |
| Injector 14 | 3867 |
| Injector 15 | 4430 |
| Injector 16 | 3220 |