

Certification Summary Information Report

| | | | |
|-----------------------------------|--------------------------|-------------------------------------|--------------|
| Manufacturer | Toyota Motor Corporation | Manufacturer Code | TYX |
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Certificate Number | GTYXV01.8PC4-045 | CARB Executive Order # | N/A |
| Certificate Issue Date | 10/30/2015 | Certificate Revision Date | N/A |
| Certificate Effective Date | 10/30/2015 | Conditional Certificate | No |
| CSI Revision # | 0 | CSI Submission/Revision Date | 09/30/2015 |
| Model Year | 2016 | | |

Test Group Information

| | | | |
|--------------------------|-----------------------|--|-----|
| CSI Type | Update for Correction | Running Change Reference Number | N/A |
| GHG Exempt Status | Not Exempt | | |

Drive Sources and Fuel(s)

Drive Source #1: Electric Motor

| Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
|-------------|----------------------------|------------------------------|
| Electricity | -- | N |

Drive Source #2: Combustion Engine

| Fuel | Basic Fuel Metering System | Lean Burn Strategy Indicator |
|----------|--------------------------------------|------------------------------|
| Gasoline | Multipoint/sequential fuel injection | N |

| | | | |
|---|-------------|--|--------------|
| Hybrid Indicator | Yes | | |
| Multiple Fuel Storage | -- | Rechargeable Energy Storage System Indicator | Yes |
| Multiple Fuel Combustion | -- | Off-board Charge Capable Indicator | No |
| Fuel Cell Indicator | No | EPA Vehicle Class | LDV |
| Federal Clean Fuel Vehicle | No | Federal Clean Fuel Vehicle Standard | -- |
| Federal Clean Fuel Vehicle ILEV | No | California Partial Zero Emissions Vehicle Indicator | Yes |
| Durability Group Name | GTYXHHGNF27 | Durability Group Equivalency Factor | 1.2 |
| Reduced Fee Test Group | No | Certification Region Code(s) | FA, CA |
| Complies with HD GHG 2b/3 regulations? | No | | |
| Introduction into Commerce Date | 11/30/2015 | CAP2000 Conditional Certificate? | No |
| Independent Commercial Importer? | -- | Alternative Fuel Converter Certificate? | -- |
| SFTP Federal Composite Compliance Identifier | Tier 2 | SFTP Tier 2 Composite CO Option | Yes |
| SFTP LEV-III Composite Compliance Indicator | Yes | | |
| OBD Compliance Type | CARB | OBD Demonstration Vehicle Test Group | GTYXV02.0KEA |
| Mfr Test Group Comments | -- | | |
| Mfr Exhaust / Evap Standards Comments | -- | | |

Certification Summary Information Report

| | | | | | | | |
|---|--------------------------|----------------|---|--------------------------------------|-----------------------|---------------------|-----------------------|
| Test Group | GTYXV01.8PC4 | | Evaporative/Refueling Family | GTYXR0130J72 | | | |
| Evaporative/Refueling Family Information | | | | | | | |
| Evaporative Summary Information Type | New | | Submission/Correction Date | 09/24/2015 | | | |
| Integrated ORVR? | No | | Fuel(s) | Gasoline,Electricity | | | |
| Multiple Fuel Storage | Fuels Stored Together | | | | | | |
| Bladder Fuel Tank? | No | | | | | | |
| Fuel Tank Material | Plastic | | Fuel Tank Material Description | EVOH | | | |
| Fill Pipe Seal Type | Liquid seal | | | | | | |
| Air Intake System Vapor Storage Device? | Yes | | Air Intake System Vapor Storage Device Description | Carbon filter in the air cleaner box | | | |
| Fuel System Vapor Storage Canister? | Yes | | Other Vapor Storage | N/A | | | |
| Fuel System Vapor Storage Canister(s) Total Working Capacity (grams) | 130 | | Number of Primary Canisters | 1 | | | |
| Number of Bleed Canisters | 0 | | Bleed Canister Total Working Capacity (grams) | N/A | | | |
| Mfr Evaporative/Refueling Family Comments | -- | | | | | | |
| Leak Family Details | | | | | | | |
| Leak Family Indicator | No | | | | | | |
| Canister Bleed Test Indicator | No | | Applicability of Evaporative Canister Bleed Test | -- | | | |
| Evaporative Canister Bleed Test Comments | -- | | | | | | |
| CARB Fuel Only (Rig) Test Indicator | No | | Applicability of CARB Fuel Only (Rig) Test | -- | | | |
| CARB Fuel Only (Rig) Test Comments | -- | | | | | | |
| Models Covered by this Certificate | | | | | | | |
| Carline Manufacturer | Division | Carline | Certification Region Code(s) | Drive System | Trans - Type | - # of Gears | Trans - Lockup |
| Toyota Motor Corporation | 1 - TOYOTA | 60 - PRIUS | Federal | 2-Wheel Drive, Front | Continuously Variable | 1 | No |
| Toyota Motor Corporation | 1 - TOYOTA | 60 - PRIUS | California + CAA Section 177 states | 2-Wheel Drive, Front | Continuously Variable | 1 | No |
| Toyota Motor Corporation | 1 - TOYOTA | 61 - PRIUS Eco | California + CAA Section 177 states | 2-Wheel Drive, Front | Continuously Variable | 1 | No |
| Toyota Motor Corporation | 1 - TOYOTA | 61 - PRIUS Eco | Federal | 2-Wheel Drive, Front | Continuously Variable | 1 | No |
| Engine Description | | | | | | | |
| Hybrid Type | IC Engine/Electric Motor | | Hybrid Description | -- | | | |
| Engine Type | 4-Stroke Spark Ignition | | Mfr Engine Description | -- | | | |
| Engine Block Arrangement | Inline | | Mfr Engine Block Arrangement Description | -- | | | |
| Camless Valvetrain Indicator | No | | Oil Viscosity/Classification | 0W-20 | | | |
| Number of Cylinders/Rotors | 4 | | | | | | |

Certification Summary Information Report

| | | | | | | | | | | | |
|--|--------------------|---------------------|-------------------------------------|--|---------------------------|---------------------|-------------------------------|----------------------------------|---------------------------------|-------------------------------------|------------------------------|
| Test Group | GTYXV01.8PC4 | | Evaporative/Refueling Family | | GTYXR0130J72 | | | | | | |
| After Treatment Device(s) (ATD) | | | | | | | | | | | |
| ATD Number | ATD Type | | ATD Precious Metal | | Substrate Material | | Substrate Construction | | | | |
| 1 | Three-way catalyst | | Paladium + Rhodium | | Ceramic | | Monolith | | | | |
| 2 | Three-way catalyst | | Platinum + Rhodium | | Ceramic | | Monolith | | | | |
| Mfr After Treatment Device (ATD) Comments | | | | | | | | | | | |
| -- | | | | | | | | | | | |
| Direct Ozone Reduction (DOR) Device | | | | | | | | | | | |
| Not Equipped | | | | | | | | | | | |
| Mfr Emission Control Device Comments | | | | | | | | | | | |
| -- | | | | | | | | | | | |
| Engine Configuration Number 1 | | | | | | | | | | | |
| Engine Displacement (liters) | | 1.8 | | Engine Rated Horsepower | | 96 | | | | | |
| Number of Inlet Valves Per Cylinder | | 2 | | Number of Exhaust Valves Per Cylinder | | 2 | | | | | |
| Air Aspiration Method | | Naturally Aspirated | | Number of Air Aspiration Devices | | N/A | | | | | |
| Air Aspiration Device Configuration | | -- | | Charge Air Cooler Type | | N/A | | | | | |
| Cylinder Deactivation Description | | N/A | | Variable Valve Lift System | | N/A | | | | | |
| Variable Valve Timing System Description | | Intake | | | | | | | | | |
| Number of Knock Sensors | | 1 | | | | | | | | | |
| Air/Fuel Sensor # 1 Type | | Heated oxygen | | Air/Fuel Sensor # 1 Description | | N/A | | | | | |
| Air/Fuel Sensor # 2 Type | | Heated air fuel | | Air/Fuel Sensor # 2 Description | | N/A | | | | | |
| Mfr Air/Fuel Sensor Comments | | -- | | | | | | | | | |
| Exhaust Gas Recirculation | | Yes | | EGR Type | | Electronic/Electric | | | | | |
| Cooled Exhaust Gas Recirculation | | Yes | | | | | | | | | |
| Closed Loop Air Injection System | | No | | Air Injection Type | | -- | | | | | |
| Mfr Engine Configuration Comments | | -- | | | | | | | | | |
| Official Test Numbers | | | | | | | | | | | |
| Test Group | Fuel | FTP | US06 | SC03 | Cold CO | Highway | EPA City Litmus Value | EPA City Litmus Threshold | EPA Highway Litmus Value | EPA Highway Litmus Threshold | CREE Weighting Factor |
| Gasoline | | GTYX10037850 | GTYX10037848 | GTYX10038697 | GTYX10038688 | GTYX10037849 | 189.1 | 284.3 | 999.9 | 628.9 | N/A |
| Electricity | | GTYX10037850 | GTYX10037848 | GTYX10038697 | GTYX10038688 | GTYX10037849 | N/A | N/A | -- | N/A | N/A |
| SFTP LEV-III Official Test Numbers | | | | | | | | | | | |
| Test Group Fuel | FTP | | US06 | | SC03 | | | | | | |
| Gasoline | GTYX10037850 | | GTYX10037848 | | GTYX10038697 | | | | | | |
| Electricity | GTYX10037850 | | GTYX10037848 | | GTYX10038697 | | | | | | |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
|--|------------------------|---|--------------|
| Hybrid Electric Vehicle And Fuel Cell Information | | | |
| Rechargeable Energy Storage System | Battery(s) | Rechargeable Energy Storage System, if Other | -- |
| Battery Type | Lithium Ion | Number of Battery Packs | 1 |
| Total Voltage of Battery Packs | 207 | Battery Energy Capacity | 3.6 |
| Battery Specific Energy | 65.3 | Battery Charger Type | On-Board |
| Number of Capacitors | N/A | | |
| Capacitor Rating (In Farads) | -- | Mfr Capacitor Comments | -- |
| Hydraulic System Description | | | |
| Regenerative Braking Type | Electrical Regen Brake | | |
| Regenerative Braking Source | Front Wheels | Driver Controlled Regenerative Braking | No |
| Mfr Regenerative Braking Description | -- | | |
| Drive Motor(s)/Generator(s) | 1 | | |
| Motor/Generator Type 1 | AC Induction | Rated Motor/Generator Power | 37 |
| Mfr Fuel Cell Description | | | |
| Fuel Cell On-Board H2 Storage Capacity (kg) | -- | Usable H2 Fill Capacity (kg) | -- |
| Mfr Hybrid Electric/ Electric Vehicle Comments | | | |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | | Evaporative/Refueling Family | GTYXR0130J72 | | | | | | | | | | |
|--|--|--------------------|---|-------------------------|--------------------|-----------------------|--|-------------|---|-------------------|----------|--|--|--|
| Emission Data Vehicle Information | | | | | | | | | | | | | | |
| Vehicle ID / Configuration | 16-ZV1H / 0 | | | | | | | | | | | | | |
| Vehicle Model | | | | | | | | | | | | | | |
| Represented Test Vehicle Make | TOYOTA | | Represented Test Vehicle Model | PRIUS | | | | | | | | | | |
| Leak Family Details | | | | | | | | | | | | | | |
| Leak Family Identifier | -- | | Leak Family Name | -- | | | | | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Electric Motor</td> <td>Electricity</td> </tr> <tr> <td>2</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> </tbody> </table> | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Electric Motor | Electricity | 2 | Combustion Engine | Gasoline | | | |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | | | | | | |
| 1 | Electric Motor | Electricity | | | | | | | | | | | | |
| 2 | Combustion Engine | Gasoline | | | | | | | | | | | | |
| Hybrid Indicator | Y | | | | | | | | | | | | | |
| Multiple Fuel Storage | -- | | Multiple Fuel Combustion | -- | | | | | | | | | | |
| Fuel Cell Indicator | N | | Rechargeable Energy Storage System Indicator | Y | | | | | | | | | | |
| Rechargeable Energy Storage System | Battery(s) | | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | | | | | |
| Off-board charge Capable Indicator | N | | | | | | | | | | | | | |
| Transmission Type | Continuously Variable | | # of Transmission Gears | 1 | | | | | | | | | | |
| Engine Code | 01 | | Axle Ratio | 2.83 | | | | | | | | | | |
| Displacement (liters) | 1.798 | | Rated Horsepower | 96 | | | | | | | | | | |
| Equivalent Test Weight (pounds) | 3375 | | Air Aspiration Method | Naturally Aspirated | | | | | | | | | | |
| Drive Mode While Testing | 2-Wheel Drive, Front | | SIL Usage | Not equipped | | | | | | | | | | |
| Aged Emission Components | 4,000 (mi) | | | | | | | | | | | | | |
| Dynamometer Coefficients: | | | | | | | | | | | | | | |
| | Target Coefficients | | | Set Coefficients | | | | | | | | | | |
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients | | | | | | | |
| City/Highway/Evap | 24.153 | 0.33502 | 0.014096 | 10.116 | 0.1598 | 0.015033 | 10.2 | | | | | | | |
| US06 | 24.153 | 0.33502 | 0.014096 | 10.116 | 0.1598 | 0.015033 | N/A | | | | | | | |
| Manufacturer Test Vehicle Comments | POWER SHIFT PATTERN | | | | | | | | | | | | | |

Certification Summary Information Report

| | | | |
|--|------------------------------|-------------------------------------|---|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10037850 | Test Procedure | 35 - California fuel 3-day exhaust |
| Exhaust Test # for this Evap Test | N/A | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/04/2015 | Fuel | Gasoline |
| Vehicle Class | LDV/Passenger Car | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | -- | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|--|-----------------------|---|
| Bag 1 Carbon Dioxide | 0 | -- |
| Bag 1 Fuel Economy | 999 | 999 |
| Bag 2 Carbon Dioxide | 0 | -- |
| Bag 2 Fuel Economy | 999 | 999 |
| Bag 3 Carbon Dioxide | 0 | -- |
| Bag 3 Fuel Economy | 999 | 999 |
| Bag 4 Carbon Dioxide | 0 | -- |
| Bag 4 Fuel Economy | 999 | 999 |
| CH4 - Methane | 0.002146 | -- |
| Carbon Monoxide | 0.0745335 | -- |
| Drive Trace Absolute Speed Change Rating | 0.59 | -- |
| Drive Trace Energy Economy Rating | -0.05 | -- |
| Drive Trace Inertia Work Ratio Rating | 0.83 | -- |
| Manufacturer Fuel Economy | 999 | 999 |
| Nitrogen Oxide | 0.0011416 | -- |
| Nitrous Oxide | 0.000327 | -- |
| Non-methane Hydrocarbon | 0.0102723 | -- |
| Non-methane organic gas (California) | 0.0112996 | -- |
| Particulate Matter | 0.0002468 | -- |
| Total Hydrocarbon | 0.0123289 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 0 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 120.1908714 | -- |

Manufacturer Test Comments

NMOG = HC-NM x 1.10

Certification Summary Information Report

| Test Group | | GTYXV01.8PC4 | | | Evaporative/Refueling Family | | | | | GTYXR0130J72 | | |
|----------------------|---------------|----------------------------|----------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | CO | 0.07 | -- | -- | -- | 0.07 | -- | 0.1 | 2.1 | Pass |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | CO-COMP | 0.14 | -- | -- | -- | -- | -- | 0.1 | 3.5 | Pass |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | CREE | 999 | -- | -- | -- | 0.075 | -- | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | HC-NM+NOX-COMP | 0.014 | -- | -- | -- | -- | -- | 0.01 | 0.62 | Pass |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | METHANE | 0.0021 | -- | -- | -- | 0.001 | -- | 0.003 | 0.030 | Pass |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | NMOG | 0.0113 | 1 | 1.04 | -- | 0.0047 | -- | 0.016 | 0.055 | Pass |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | NOX | 0.001 | -- | -- | -- | 0.0006 | -- | 0 | 0.03 | Pass |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | PM | 0 | -- | -- | -- | 0.0002 | -- | 0 | 0.01 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | CO | 0.07 | -- | -- | -- | 0.07 | -- | 0.1 | 1.0 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | CO-COMP | 0.14 | -- | -- | -- | 0.07 | -- | 0.1 | 4.2 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NMOG | 0.0113 | 1 | 1.1 | -- | 0.0047 | -- | 0.016 | 999.999 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NMOG+NOX | 0.0124 | 1 | 1.1 | -- | -- | -- | 0.018 | 0.030 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NMOG+NOX-COMP | 0.0147 | 1 | 1.03 | -- | 0.0053 | -- | 0.015 | 0.030 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NOX | 0.0011 | -- | -- | -- | 0.0006 | -- | 0.002 | 999.999 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | PM | 0.0002 | -- | -- | -- | 0.0002 | -- | 0 | 0.003 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

Certification Summary Information Report

| | | | |
|--|------------------------------|-------------------------------------|-------------------------------------|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10037849 | Test Procedure | 3 - HWFE |
| Exhaust Test # for this Evap Test | N/A | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/04/2015 | Fuel | Gasoline |
| Vehicle Class | LDV/Passenger Car | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | -- | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|--|-----------------------|---|
| CH4 - Methane | 0.001399 | -- |
| Carbon Monoxide | 0.0314332 | -- |
| Drive Trace Absolute Speed Change Rating | 1.45 | -- |
| Drive Trace Energy Economy Rating | 0.05 | -- |
| Drive Trace Inertia Work Ratio Rating | 1.76 | -- |
| Manufacturer Fuel Economy | 999 | 999 |
| Nitrogen Oxide | 0.0000692 | -- |
| Nitrous Oxide | 0 | -- |
| Non-methane Hydrocarbon | 0.0029513 | -- |
| Non-methane organic gas (California) | 0.0030398 | -- |
| Total Hydrocarbon | 0.004292 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CREE/OPT-CREE |
|----------------------------------|-----------------------|---------------------------------|
| Carbon-Related Exhaust Emissions | 0 | 999 |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 127.5819459 | -- |

Manufacturer Test Comments NMOG = HC-NM x 1.03

Certification Summary Information Report

| Test Group | | GTYXV01.8PC4 | | | Evaporative/Refueling Family | | | | | GTYXR0130J72 | | |
|----------------------|---------------|----------------------------|---------------|----------------|------------------------------|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | CREE | 999 | -- | -- | -- | 0.075 | -- | 999 | -- | -- |
| Fed | 150,000 miles | Federal Tier 2 Bin 3 | NOX | 0 | -- | -- | -- | 0.0006 | -- | 0 | 0.04 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NMOG | 0.003 | 1 | 1.03 | -- | 0.0047 | -- | 0.008 | 999.999 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NMOG+NOX | 0.0031 | 1 | 1.03 | -- | -- | -- | 0.008 | 0.030 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | NOX | 0.0001 | -- | -- | -- | 0.0006 | -- | 0.001 | 999.999 | Pass |

NOTE: For Non-charge depleting tests, the Rounded Result for CREE/OPT-CREE Emission names are Verify-calculated values.

| | | | |
|--|---|-----------------------|--|
| Test # | GTYX10037860 | Test Procedure | 27 - California fuel 2-day evap |
| Exhaust Test # for this Evap Test | GTYX10037853 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/08/2015 | Fuel | Gasoline |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|--|-----------------------|---|
| Total Hydrocarbon equivalent - Evap only | 0.1176 | -- |

Manufacturer Test Comments HSL=0.0089, 1ST DBL=0.1088, 2ND DBL=0.0964, 1ST DBL IS ADD KEY OFF MONITOR LOSS(0.0017GRAM)

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 120,000 miles | Federal LEV-II Evap | HC-TOTAL-EQUIV | 0.118 | 0 | 0.12 | 0.65 | Pass |
| CA | 150,000 miles | California LEV-III Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.1176 | 0 | 0.118 | 0.3 | Pass |

Certification Summary Information Report

| | | | |
|--|---|-------------------------------------|-------------------------------------|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10037861 | Test Procedure | 38 - CA fuel 3-day evap. |
| Exhaust Test # for this Evap Test | GTYX10037852 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/15/2015 | Fuel | Gasoline |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | Actual Total Hydrocarbon Equivalent Measurement (with speciation) | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|---|-----------------------|---|
| Total Hydrocarbon equivalent - Evap only | 0.1316 | -- |

Manufacturer Test Comments

HSL=0.0226, 1ST DBL=0.1090, 2ND DBL=0.0885, 3RD DBL=0.0851, 1ST DBL IS ADDED KEY OFF MONITOR LOSS(0.0017GRAM)

Certification

| Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|--------|---------------|---|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 120,000 miles | Federal LEV-II Evap | HC-TOTAL-EQUIV | 0.132 | 0 | 0.13 | 0.5 | Pass |
| CA | 150,000 miles | California LEV-III Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0.1316 | 0 | 0.132 | 0.3 | Pass |

Certification Summary Information Report

| | | | |
|--|------------------------------|-------------------------------------|--|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10037863 | Test Procedure | 24 - Federal fuel refueling test (ORVR) |
| Exhaust Test # for this Evap Test | GTYX10037853 | Test Fuel Type | 61 - Tier 2 Cert Gasoline |
| Test Date | 06/09/2015 | Fuel | Gasoline |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | -- | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|---------------------------------------|-----------------------|---|
| Hydrocarbon for Running Loss and ORVR | 0.0085961 | -- |

Manufacturer Test Comments

WITH 1200BV BENCH PURGE

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---|---------------|----------------|--------|---------------------|----------|-----------|
| Fed | 120,000 miles | Federal LEV-II Evap | HC | 0.009 | 0 | 0.01 | 0.2 | Pass |
| CA | 150,000 miles | California LEV-III Zero Evap (Option 2) | HC | 0.009 | 0 | 0.01 | 0.2 | Pass |

Certification Summary Information Report

| | | | |
|--|--|-------------------------------------|--|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10037899 | Test Procedure | 37 - California Fuel Running Loss |
| Exhaust Test # for this Evap Test | GTYX10037852 | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/15/2015 | Fuel | Gasoline |
| Vehicle Class | N/A | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | Calculated (1.08 x FID Total Hydrocarbons) | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|--|-----------------------|---|
| Total Hydrocarbon equivalent - Evap only | 0 | -- |

Manufacturer Test Comments --

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | Add DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|---|----------------|----------------|--------|---------------------|----------|-----------|
| Fed | 120,000 miles | Federal LEV-II Evap | HC-TOTAL-EQUIV | 0 | 0 | 0 | 0.05 | Pass |
| CA | 150,000 miles | California LEV-III Zero Evap (Option 2) | HC-TOTAL-EQUIV | 0 | 0 | 0 | 0.05 | Pass |

Certification Summary Information Report

| | | | |
|--|------------------------------|-------------------------------------|-------------------------------------|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10037848 | Test Procedure | 90 - US06 |
| Exhaust Test # for this Evap Test | N/A | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/11/2015 | Fuel | Gasoline |
| Vehicle Class | LDV/Passenger Car | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | -- | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|--|-----------------------|---|
| Bag 1 Carbon Dioxide | 0 | -- |
| Bag 1 Fuel Economy | 999 | 999 |
| Bag 2 Carbon Dioxide | 0 | -- |
| Bag 2 Fuel Economy | 999 | 999 |
| Carbon Monoxide | 0.1069287 | -- |
| Drive Trace Absolute Speed Change Rating | 1.91 | -- |
| Drive Trace Energy Economy Rating | 0.23 | -- |
| Drive Trace Inertia Work Ratio Rating | 2.57 | -- |
| Manufacturer Fuel Economy | 999 | 999 |
| Nitrogen Oxide | 0.0012565 | -- |
| Non-methane Hydrocarbon | 0.009338 | -- |
| Non-methane organic gas (California) | 0.0096181 | -- |
| Particulate Matter | 0.0001976 | -- |
| Total Hydrocarbon | 0.0109699 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 193.2406158 | -- |

Manufacturer Test Comments

NMOG = HC-NM x 1.03

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|---------------|----------------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 4,000 miles | Federal Tier 2 Bin 3 | CO | 0.11 | -- | -- | -- | -- | -- | 0.1 | 8.0 | Pass |
| Fed | 4,000 miles | Federal Tier 2 Bin 3 | HC-NM+NOX | 0.01 | -- | -- | -- | -- | -- | 0.01 | 0.14 | Pass |
| CA | 150,000 miles | California LEV-III SULEV30 | PM | 0.0002 | -- | -- | -- | 0.0002 | -- | 0 | 0.010 | Pass |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | | Evaporative/Refueling Family | GTYXR0130J72 | | | | | | | | | | |
|--|--|--------------------|---|-------------------------|--------------------|-----------------------|--|----------|---|----------------|-------------|--|--|--|
| Emission Data Vehicle Information | | | | | | | | | | | | | | |
| Vehicle ID / Configuration | 16-ZV2H / 4 | | | | | | | | | | | | | |
| Vehicle Model | | | | | | | | | | | | | | |
| Represented Test Vehicle Make | TOYOTA | | Represented Test Vehicle Model | PRIUS | | | | | | | | | | |
| Leak Family Details | | | | | | | | | | | | | | |
| Leak Family Identifier | -- | | Leak Family Name | -- | | | | | | | | | | |
| Drive Sources and Fuel System Details | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Drive Source and Fuel#</th> <th>Drive Source</th> <th>Fuel</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Combustion Engine</td> <td>Gasoline</td> </tr> <tr> <td>2</td> <td>Electric Motor</td> <td>Electricity</td> </tr> </tbody> </table> | | Drive Source and Fuel# | Drive Source | Fuel | 1 | Combustion Engine | Gasoline | 2 | Electric Motor | Electricity | | | |
| Drive Source and Fuel# | Drive Source | Fuel | | | | | | | | | | | | |
| 1 | Combustion Engine | Gasoline | | | | | | | | | | | | |
| 2 | Electric Motor | Electricity | | | | | | | | | | | | |
| Hybrid Indicator | Y | | | | | | | | | | | | | |
| Multiple Fuel Storage | -- | | Multiple Fuel Combustion | -- | | | | | | | | | | |
| Fuel Cell Indicator | N | | Rechargeable Energy Storage System Indicator | Y | | | | | | | | | | |
| Rechargeable Energy Storage System | Battery(s) | | Rechargeable Energy Storage System, if 'Other' | -- | | | | | | | | | | |
| Off-board charge Capable Indicator | N | | | | | | | | | | | | | |
| Transmission Type | Continuously Variable | | # of Transmission Gears | 1 | | | | | | | | | | |
| Engine Code | 01 | | Axle Ratio | 2.83 | | | | | | | | | | |
| Displacement (liters) | 1.798 | | Rated Horsepower | 96 | | | | | | | | | | |
| Equivalent Test Weight (pounds) | 3375 | | Air Aspiration Method | Naturally Aspirated | | | | | | | | | | |
| Drive Mode While Testing | 2-Wheel Drive, Front | | SIL Usage | Not equipped | | | | | | | | | | |
| Aged Emission Components | 4,000 (mi) | | | | | | | | | | | | | |
| Dynamometer Coefficients: | | | | | | | | | | | | | | |
| | Target Coefficients | | | Set Coefficients | | | | | | | | | | |
| Coefficient Category | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | A (lbf) | B (lbf/mph) | C (lbf/mph**2) | EPA Calculated Total Road Load Horse Power for City/Highway/Evap Coefficients | | | | | | | |
| City/Highway/Evap | 24.153 | 0.33502 | 0.014096 | 10.116 | 0.1598 | 0.015033 | 10.2 | | | | | | | |
| Cold CO | 26.837 | 0.37224 | 0.015662 | 8.14 | -0.00597 | 0.018305 | N/A | | | | | | | |
| Manufacturer Test Vehicle Comments | POWER SHIFT PATTERN | | | | | | | | | | | | | |

Certification Summary Information Report

| | | | |
|--|------------------------------|-------------------------------------|-------------------------------------|
| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
| Test # | GTYX10038697 | Test Procedure | 95 - SC03 |
| Exhaust Test # for this Evap Test | N/A | Test Fuel Type | 46 - CARB LEV3 E10 Regular Gasoline |
| Test Date | 09/02/2015 | Fuel | Gasoline |
| Vehicle Class | LDV/Passenger Car | DF Type | Mfr. Determined |
| Verify Test Lab ID | Higashifuji Technical Center | | |
| E10 Evaporative Test Measurement Method | -- | | |

Test Results

| Test Result Name | Unrounded Test Result | Verify Calculated FE MPG Equivalent Value |
|--|-----------------------|---|
| Carbon Monoxide | 0.041801 | -- |
| Drive Trace Absolute Speed Change Rating | 0.88 | -- |
| Drive Trace Energy Economy Rating | 0.12 | -- |
| Drive Trace Inertia Work Ratio Rating | 1.27 | -- |
| Manufacturer Fuel Economy | 51.0498305 | 51.0498305 |
| Nitrogen Oxide | 0.001992 | -- |
| Non-methane Hydrocarbon | 0.00319 | -- |
| Total Hydrocarbon | 0.005169 | -- |

| Test Result Name | Unrounded Test Result | Verify Calculated CO2 |
|------------------|-----------------------|-----------------------|
| Carbon dioxide | 169.405675 | -- |

Manufacturer Test Comments --

| Certification Region | Useful Life | Standard Level | Emission Name | Rounded Result | RAF | NMOG/NM HC Ratio | Diesel Adjustment Factor | Add DF | Mult DF | Certification Level | Standard | Pass/Fail |
|----------------------|-------------|----------------------|---------------|----------------|-----|------------------|--------------------------|--------|---------|---------------------|----------|-----------|
| Fed | 4,000 miles | Federal Tier 2 Bin 3 | CO | 0.04 | -- | -- | -- | -- | -- | 0 | 2.7 | Pass |
| Fed | 4,000 miles | Federal Tier 2 Bin 3 | HC-NM+NOX | 0.005 | -- | -- | -- | -- | -- | 0 | 0.20 | Pass |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | | | Evaporative/Refueling Family | | | GTYXR0130J72 | | |
|--------------------------------|-------------------------------------|----------------|-----|------------------------------|---------------------------------|-----------------------------------|--------------------------------|--------|---------|
| Consolidated List of Standards | | | | | | | | | |
| Exhaust Standards | | | | | | | | | |
| Cert Region | California + CAA Section 177 states | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | Standard Level | | | California LEV-III SULEV30 | | |
| Fuel | Gasoline | | | Test Procedure | | | California fuel 3-day exhaust | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
| 150,000 miles | CO | -- | -- | -- | -- | -- | -- | 0.07 | 1.0 |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | -- | 0.07 | 4.2 |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | -- | 0 | 0.004 |
| 150,000 miles | NMOG | -- | 1 | 1.1 | -- | -- | -- | 0.0047 | 999.999 |
| 150,000 miles | NMOG+NOX | -- | 1 | 1.1 | -- | -- | -- | 0.0053 | 0.030 |
| 150,000 miles | NMOG+NOX-COMP | -- | 1 | 1.03 | -- | -- | -- | 0.0053 | 0.030 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | -- | 0.0006 | 999.999 |
| 150,000 miles | PM | -- | -- | -- | -- | -- | -- | 0.0002 | 0.003 |
| Cert Region | California + CAA Section 177 states | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | Standard Level | | | California LEV-III SULEV30 | | |
| Fuel | Gasoline | | | Test Procedure | | | CA fuel 50 Deg(F) exhaust test | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
| 4,000 miles | CO | -- | -- | -- | -- | -- | -- | 0 | 1.0 |
| 4,000 miles | HCHO | -- | -- | -- | -- | -- | -- | 0 | 0.008 |
| 4,000 miles | NMOG | -- | 1 | 1.1 | -- | -- | -- | 0 | 999.999 |
| 4,000 miles | NMOG+NOX | -- | 1 | 1.1 | -- | -- | -- | 0 | 0.060 |
| 4,000 miles | NOX | -- | -- | -- | -- | -- | -- | 0 | 999.999 |
| Cert Region | Federal | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | Standard Level | | | Federal Tier 2 Bin 3 | | |
| Fuel | Gasoline | | | Test Procedure | | | SC03 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
| 4,000 miles | CO | -- | -- | -- | -- | -- | -- | -- | 2.7 |
| 4,000 miles | HC-NM+NOX | -- | -- | -- | -- | -- | -- | -- | 0.20 |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|----------------------|-----------------------|------------|--------------------|--|--|----------------|----------------------|------------|--|
| Test Group | GTYXV01.8PC4 | | | | Evaporative/Refueling Family | | | GTYXR0130J72 | | |
| Cert Region | Federal | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | Federal Tier 2 Bin 3 | | |
| Fuel | Gasoline | | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 4,000 miles | CO | -- | -- | -- | -- | -- | -- | -- | 8.0 | |
| 4,000 miles | HC-NM+NOX | -- | -- | -- | -- | -- | -- | -- | 0.14 | |

| | | | | | | | | | | |
|----------------------|----------------------|-----------------------|------------|--------------------|--|--|----------------|-------------------------|------------|--|
| Cert Region | Federal | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | Federal Tier 2 Bin 3 | | |
| Fuel | Gasoline | | | | Test Procedure | | | CST two speed idle test | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 120,000 miles | CO | -- | -- | -- | -- | -- | -- | -- | 0.5 | |
| 120,000 miles | HC-TOTAL | -- | -- | -- | -- | -- | -- | -- | 100 | |

| | | | | | | | | | | |
|----------------------|----------------------|-----------------------|------------|--------------------|--|--|----------------|----------------------|------------|--|
| Cert Region | Federal | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | Federal Tier 2 Bin 3 | | |
| Fuel | Gasoline | | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | -- | 0.02 | 10.0 | |
| 150,000 miles | HC-NM | -- | -- | -- | -- | -- | -- | 0 | 0.3 | |

| | | | | | | | | | | |
|----------------------|-------------------------------------|-----------------------|------------|--------------------|--|--|----------------|----------------------------|------------|--|
| Cert Region | California + CAA Section 177 states | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | California LEV-III SULEV30 | | |
| Fuel | Gasoline | | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | NMOG | -- | 1 | 1.03 | -- | -- | -- | 0.0047 | 999.999 | |
| 150,000 miles | NMOG+NOX | -- | 1 | 1.03 | -- | -- | -- | 0.0053 | 0.030 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | -- | 0.0006 | 999.999 | |

Certification Summary Information Report

| | | | | | | | | | | |
|----------------------|-------------------------------------|-----------------------|------------|--------------------|--|--|----------------|----------------------------|------------|--|
| Test Group | GTYXV01.8PC4 | | | | Evaporative/Refueling Family | | | GTYXR0130J72 | | |
| Cert Region | California + CAA Section 177 states | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | California LEV-III SULEV30 | | |
| Fuel | Gasoline | | | | Test Procedure | | | Cold CO | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 50,000 miles | CO | -- | -- | -- | -- | -- | -- | 0.02 | 10.0 | |

| | | | | | | | | | | |
|----------------------|----------------------|-----------------------|------------|--------------------|--|--|----------------|-------------------------------|------------|--|
| Cert Region | Federal | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | Federal Tier 2 Bin 3 | | |
| Fuel | Gasoline | | | | Test Procedure | | | California fuel 3-day exhaust | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | CO | -- | -- | -- | -- | -- | -- | 0.07 | 2.1 | |
| 150,000 miles | CO-COMP | -- | -- | -- | -- | -- | -- | -- | 3.5 | |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | -- | 0.075 | 999.9999 | |
| 150,000 miles | HC-NM+NOX-COMP | -- | -- | -- | -- | -- | -- | -- | 0.62 | |
| 150,000 miles | HCHO | -- | -- | -- | -- | -- | -- | 0 | 0.011 | |
| 150,000 miles | METHANE | -- | -- | -- | -- | -- | -- | 0.001 | 0.030 | |
| 150,000 miles | N2O | -- | -- | -- | -- | -- | -- | -- | 0.010 | |
| 150,000 miles | NMOG | -- | 1 | 1.04 | -- | -- | -- | 0.0047 | 0.055 | |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | -- | 0.0006 | 0.03 | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | -- | 0.0002 | 0.01 | |

| | | | | | | | | | | |
|----------------------|-------------------------------------|-----------------------|------------|--------------------|--|--|----------------|----------------------------|------------|--|
| Cert Region | California + CAA Section 177 states | | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | | Standard Level | | | California LEV-III SULEV30 | | |
| Fuel | Gasoline | | | | Test Procedure | | | US06 | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std | |
| 150,000 miles | PM | -- | -- | -- | -- | -- | -- | 0.0002 | 0.010 | |

Certification Summary Information Report

| | | | | | | | | | |
|----------------------|----------------------|-----------------------|------------|-------------------------------------|--|--|----------------------|---------------|------------|
| Test Group | GTYXV01.8PC4 | | | Evaporative/Refueling Family | | | GTYXR0130J72 | | |
| Cert Region | Federal | | | Cert/In-Use Code | | | Both | | |
| Vehicle Class | LDV/Passenger Car | | | Standard Level | | | Federal Tier 2 Bin 3 | | |
| Fuel | Gasoline | | | Test Procedure | | | HWFE | | |
| Useful Life | Emission Name | Rounded Result | RAF | NMOG / NMHC | Upward Diesel Adjustment Factor | Downward Diesel Adjustment Factor | Mult DF | Add DF | Std |
| 150,000 miles | CREE | -- | -- | -- | -- | -- | -- | 0.075 | 999.9999 |
| 150,000 miles | NOX | -- | -- | -- | -- | -- | -- | 0.0006 | 0.04 |

Evaporative/Refueling Standards

| | | | | | | | | | |
|-------------------------------------|----------------------------|----------------------|-----------------------|-----------------------|---------------|--|---------------------|--|--|
| Evaporative/Refueling Family | GTYXR0130J72 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | Both | | | Standard Level | | | Federal LEV-II Evap | | |
| Test Procedure | California fuel 2-day evap | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | |
| Gasoline | 120,000 miles | HC-TOTAL-EQUIV | -- | 0.65 | 0 | | | | |

| | | | | | | | | | |
|-------------------------------------|------------------------------------|----------------------|-----------------------|-----------------------|---------------|--|---|--|--|
| Evaporative/Refueling Family | GTYXR0130J72 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | Both | | | Standard Level | | | California LEV-III Zero Evap (Option 2) | | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | |
| Gasoline | 150,000 miles | HC | -- | 0.2 | 0 | | | | |

| | | | | | | | | | |
|-------------------------------------|---------------------|----------------------|-----------------------|-----------------------|---------------|--|---------------------|--|--|
| Evaporative/Refueling Family | GTYXR0130J72 | | | Cert Region | | | Federal | | |
| Cert/In-Use Code | Both | | | Standard Level | | | Federal LEV-II Evap | | |
| Test Procedure | CA fuel 3-day evap. | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | |
| Gasoline | 120,000 miles | HC-TOTAL-EQUIV | -- | 0.5 | 0 | | | | |

| | | | | | | | | | |
|-------------------------------------|----------------------------|----------------------|-----------------------|-----------------------|---------------|--|---|--|--|
| Evaporative/Refueling Family | GTYXR0130J72 | | | Cert Region | | | California + CAA Section 177 states | | |
| Cert/In-Use Code | Both | | | Standard Level | | | California LEV-III Zero Evap (Option 2) | | |
| Test Procedure | California fuel 2-day evap | | | | | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF | | | | |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.3 | 0 | | | | |

Certification Summary Information Report

| | | | | | |
|-------------------------------------|------------------------------------|----------------------|-------------------------------------|--|---------------|
| Test Group | GTYXV01.8PC4 | | Evaporative/Refueling Family | GTYXR0130J72 | |
| Evaporative/Refueling Family | GTYXR0130J72 | | Cert Region | California + CAA Section 177 states California LEV-III Zero Evap (Option 2) | |
| Cert/In-Use Code | Both | | Standard Level | | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0 |
| Evaporative/Refueling Family | GTYXR0130J72 | | Cert Region | California + CAA Section 177 states California LEV-III Zero Evap (Option 2) | |
| Cert/In-Use Code | Both | | Standard Level | | |
| Test Procedure | CA fuel 3-day evap. | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 150,000 miles | HC-TOTAL-EQUIV | -- | 0.3 | 0 |
| Evaporative/Refueling Family | GTYXR0130J72 | | Cert Region | Federal | |
| Cert/In-Use Code | Both | | Standard Level | Federal LEV-II Evap | |
| Test Procedure | Spitback | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 120,000 miles | SPITBACK | -- | 1 | 0 |
| Evaporative/Refueling Family | GTYXR0130J72 | | Cert Region | Federal | |
| Cert/In-Use Code | Both | | Standard Level | Federal LEV-II Evap | |
| Test Procedure | Federal fuel refueling test (ORVR) | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 120,000 miles | HC | -- | 0.2 | 0 |
| Evaporative/Refueling Family | GTYXR0130J72 | | Cert Region | Federal | |
| Cert/In-Use Code | Both | | Standard Level | Federal LEV-II Evap | |
| Test Procedure | California Fuel Running Loss | | | | |
| Fuel | Useful Life | Emission Name | Rounded Result | Std | Add DF |
| Gasoline | 120,000 miles | HC-TOTAL-EQUIV | -- | 0.05 | 0 |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
|--|---|------------------------------|--|
| Glossary | | | |
| Useful Life | | | |
| 4 | 4,000 miles | 120 | 120,000 miles |
| 50 | 50,000 miles | 150 | 150,000 miles |
| 100 | 100,000 miles | | |
| Emission Name | | | |
| HC-TOTAL | Total Hydrocarbon | METHANOL | CH3OH - Methanol |
| CO | Carbon Monoxide | N2O | Nitrous Oxide |
| CO2 | Carbon dioxide | SPITBACK | Spitback Hydrocarbon in grams |
| CREE | Carbon-Related Exhaust Emissions | AMP-HRS | Integrated Amp-hours |
| OPT-CREE | Optional Carbon-Related Exhaust Emissions | START-SOC | System Start State of Charge Watt-hours |
| NOX | Nitrogen Oxide | END-SOC | System End State of Charge Watt-hours |
| PM | Particulate Matter | ACT-DISTANCE | Actual Distance Driven (miles) |
| PM-COMP | SFTP Composite Particulate Matter | AS-VOLT | Average System Voltage |
| HC-NM | Non-methane Hydrocarbon | CO2 BAG 1 | Bag 1 Carbon Dioxide |
| OMHCE | Organic material Hydrocarbon Equivalent | CO2 BAG 2 | Bag 2 Carbon Dioxide |
| OMNMHCE | Organic material non-methane HC equivalent | CO2 BAG 3 | Bag 3 Carbon Dioxide |
| NMOG | Non-methane organic gas (California) | CO2 BAG 4 | Bag 4 Carbon Dioxide |
| HCHO | Formaldehyde | NMOG+NOX | Non-methane organic gases plus Nitrogen Oxides |
| H3C2HO | Acetaldehyde | NMOG+NOX-COMP | SFTP Composite Non-methane Organic Gases + Nitrogen Oxides |
| HC-NM+NOX | SFTP Non-methane Hydrocarbon + Nitrogen Oxides for US06 or SC03 | DT-IWRR | Drive Trace Inertia Work Ratio Rating |
| HC-NM+NOX-COMP | SFTP Composite Non-methane Hydrocarbon + Nitrogen Oxides | DT-ASCR | Drive Trace Absolute Speed Change Rating |
| CO-COMP | SFTP Composite Carbon Monoxide | DT-EER | Drive Trace Energy Economy Rating |
| ETHANOL | C2H5OH - Ethanol | COMB-CREE | Combined Carbon-Related Exhaust Emissions |
| FE BAG 1 | Bag 1 Fuel Economy | COMB-OPT-CREE | Combined Optional Carbon-Related Exhaust Emissions |
| FE BAG 2 | Bag 2 Fuel Economy | HC-TOTAL-EQUIV | Total Hydrocarbon equivalent - Evap only |
| FE BAG 3 | Bag 3 Fuel Economy | METHANE-COMB | Combined CH4 for HD 2b/3 vehicles only |
| FE BAG 4 | Bag 4 Fuel Economy | N2O-COMB | Combined Nitrous Oxide for HD 2b/3 vehicles only |
| MFR FE | Manufacturer Fuel Economy | LEAK-DIA | Effective Leak Diameter (inches) |
| HC | Hydrocarbon for Running Loss and ORVR | LEAK-GAS CAP | Gas Cap Leakage (cc/min) |
| METHANE | CH4 - Methane | | |
| Certification Region | | | |
| CA | California + CAA Section 177 states | FA | Federal |
| Exhaust Emission Standard Level | | | |
| B1 | Federal Tier 2 Bin 1 | L3ULEV340 | California LEV-III ULEV340 |
| B2 | Federal Tier 2 Bin 2 | L3ULEV250 | California LEV-III ULEV250 |
| B3 | Federal Tier 2 Bin 3 | L3ULEV200 | California LEV-III ULEV200 |
| B4 | Federal Tier 2 Bin 4 | L3SULEV170 | California LEV-III SULEV170 |
| B5 | Federal Tier 2 Bin 5 | L3SULEV150 | California LEV-III SULEV150 |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
|-------------------------------|---|------------------------------|--|
| B6 | Federal Tier 2 Bin 6 | L3LEV630 | California LEV-III LEV630 |
| B7 | Federal Tier 2 Bin 7 | L3ULEV570 | California LEV-III ULEV570 |
| B8 | Federal Tier 2 Bin 8 | L3ULEV400 | California LEV-III ULEV400 |
| B9 | Federal Tier 2 Bin 9 | L3ULEV270 | California LEV-III ULEV270 |
| B10 | Federal Tier 2 Bin 10 | L3SULEV230 | California LEV-III SULEV230 |
| B11 | Federal Tier 2 Bin 11 | L3SULEV200 | California LEV-III SULEV200 |
| HDV1 | HDV1 (Federal HD chassis Class 2b GVW 8501-10000) | T3B160 | Federal Tier 3 Bin 160 |
| HDV2 | HDV2 (Federal HD chassis Class 3 GVW 10001-14000) | T3B125 | Federal Tier 3 Bin 125 |
| L2 | California LEV-II LEV | T3B110 | Federal Tier 3 Transitional Bin 110 |
| L2OP | California LEV-II LEV Optional | T3B85 | Federal Tier 3 Transitional Bin 85 |
| U2 | California LEV-II ULEV | T3SULEV30 | Federal Tier 3 Transitional LEV-II SULEV30 Carryover |
| S2 | California LEV-II SULEV | T3B70 | Federal Tier 3 Bin 70 |
| ZEV | California ZEV | T3B50 | Federal Tier 3 Bin 50 |
| OT | Other | T3B30 | Federal Tier 3 Bin 30 |
| T1 | Federal Tier 1 | T3B20 | Federal Tier 3 Bin 20 |
| PZEV | California PZEV | T3B0 | Federal Tier 3 Bin 0 |
| L2LEV160 | California LEV-II LEV160 | HDV2B395 | Federal Tier 3 HD Class 2b Transitional Bin 395 |
| L2ULEV125 | California LEV-II ULEV125 | HDV2B340 | Federal Tier 3 HD Class 2b Transitional Bin 340 |
| L2SULEV30 | California LEV-II SULEV30 | HDV2B250 | Federal Tier 3 HD Class 2b Bin 250 |
| L2LEV395 | California LEV-II LEV395 | HDV2B200 | Federal Tier 3 HD Class 2b Bin 200 |
| L2ULEV340 | California LEV-II ULEV340 | HDV2B170 | Federal Tier 3 HD Class 2b Bin 170 |
| L2LEV630 | California LEV-II LEV630 | HDV2B150 | Federal Tier 3 HD Class 2b Bin 150 |
| L2ULEV570 | California LEV-II ULEV570 | HDV2B0 | Federal Tier 3 HD Class 2b Bin 0 |
| L3LEV160 | California LEV-III LEV160 | HDV3B630 | Federal Tier 3 HD Class 3 Transitional Bin 630 |
| L3ULEV125 | California LEV-III ULEV125 | HDV3B570 | Federal Tier 3 HD Class 3 Transitional Bin 570 |
| L3ULEV70 | California LEV-III ULEV70 | HDV3B400 | Federal Tier 3 HD Class 3 Bin 400 |
| L3ULEV50 | California LEV-III ULEV50 | HDV3B270 | Federal Tier 3 HD Class 3 Bin 270 |
| L3SULEV30 | California LEV-III SULEV30 | HDV3B230 | Federal Tier 3 HD Class 3 Bin 230 |
| L3SULEV20 | California LEV-III SULEV20 | HDV3B200 | Federal Tier 3 HD Class 3 Bin 200 |
| L3LEV395 | California LEV-III LEV395 | HDV3B0 | Federal Tier 3 HD Class 3 Bin 0 |
| Transmission Type Code | | | |
| AMS | Automated Manual- Selectable (e.g. Automated Manual with paddles) | M | Manual |
| A | Automatic | OT | Other |
| AM | Automated Manual | SA | Semi-Automatic |
| CVT | Continuously Variable | SCV | Selectable Continuously Variable (e.g. CVT with paddles) |
| Drive System Code | | | |
| 4 | 4-Wheel Drive | P | Part-time 4-Wheel Drive |
| F | 2-Wheel Drive, Front | A | All Wheel Drive |
| R | 2-Wheel Drive, Rear | | |

Certification Summary Information Report

| Test Group | GTYXV01.8PC4 | Evaporative/Refueling Family | GTYXR0130J72 |
|--------------------------------------|---------------------------------|-------------------------------------|----------------------------------|
| Additional Terms and Acronyms | | | |
| AFC | Alternative Fuel Converter | ICI | Independent Commercial Importer |
| CSI | Certificate Summary Information | ORVR | Onboard Refueling Vapor Recovery |
| DF | Deterioration Factor | SIL | Shift Indicator Light |
| Evap | Evaporation, Evaporative | Trans | Transmission |