

## **Gas Engine Exhaust Temperature**

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***Natural Gas - Rich or Lean for***

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***Low Exhaust Temperature ...  
A number of measures can be  
taken to manage exhaust  
temperatures including:  
turbocharger control, high-  
pressure exhaust gas  
recirculation (EGR), intake  
throttling, increased idle  
speed, post injection of fuel  
on deceleration and at idle,  
dual-wall exhaust manifolds  
and downpipes, fuel ...***

***What Is the Temperature of  
Gasoline Engine Exhaust ...  
Exhaust Temperature (o F) (o  
C) Chemical Oxidation: 1350 -  
1475: 730 - 800: Annealing  
furnace: 1100 - 1200: 590 -  
650: Fluidized-bed  
combustion: 1600 - 1800: 870  
- 980: Natural-gas fired***

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**heating appliance with draft hood: 360: 182: Liquefied-petroleum gas-fired heating appliance with draft hood: 360: 182: Gas-fired heating appliance, no draft hood: 460: 238: Glass melting furnace**

### **Gasoline Engine Exhaust Manifold Temperatures | It Still Runs**

**Both diesel and gasoline vehicles have specific temperature ranges that the exhaust must stay within in order for the components to function correctly. Gasoline In the end, the exhaust temperature from gasoline combustion is only between 700 and 1,100 degrees Fahrenheit.**

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### ***Reasons for High Exhaust Gas Temperature (EGT) in Marine***

***...***

***As the exhaust gases come out of your engine and across the turbocharger, the heat energy and pressure in them are used to drive the compressor wheel, thereby dissipating some heat energy in the...***

***Exhaust gas - Wikipedia  
Airplanes often have exhaust temperature gauges to help the pilot set the fuel/air mix. 1250 to 1400 degrees F is typical. It probably cools off a bit before it reaches the muffler though.***

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### ***Ignition > Autoignition > Underhood Surface Temperatures***

***In aircraft gas turbine engines, "exhaust gas temperature" (EGT) is a primary measure of engine health. Typically the EGT is compared with a primary engine power indication called "engine pressure ratio" (EPR). For example: at full power EPR there will be a maximum permitted EGT limit.***

***What are typical gasoline exhaust temperatures? | The***

***...***

***Re: Natural Gas - Rich or Lean for Low Exhaust Temperature? Hey Jim, yeah I***

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***was doing some homework on that last night too, trying to find some documented evidence. For me, it goes back to the individual engine manufacturer's research and recommendations they've done in engine development for each model/application of engine, and what they've ...***

***Exhaust Gas Temperature: Gas Vs. Diesel | It Still Runs Gasoline exhaust gases burn in the range of 1,000 to 1,400 degrees Fahrenheit. In comparison, diesel engines burn at a temperature range of 500 to 800 degrees Fahrenheit, according to WC Engineering.***

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***Exhaust Gas - an overview | ScienceDirect Topics***  
***Peak temperature is related to engine speed (RPM), engine load, and the volume of exhaust gas flowing through the exhaust system. Higher temperatures occur in extreme and improper operating conditions. When an engine is operated at high RPM or load (upgrade, towing, high wind, acceleration), exhaust system temperatures can increase dramatically.***

***Gas Engine Exhaust  
Temperature  
Gasoline Engine Exhaust  
Manifold Temperatures***

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***Combustion Basics. Exhaust gas temperatures rise or fall based largely upon the air/fuel ratio,... Air/Fuel Ratio and EGT. Because the diesel engine's combustion event is so much slower,... Exhaust Backpressure. Exhaust backpressure is a major ...***

***When Do Exhaust Gas Temperatures Become A Cause For ...***

***It is not uncommon for gasoline engines to have EGT's between 1400-1650 degrees at WOT.. I run a dyno for a living and 1600+ is common for newer engines at WOT above 4000 rpms. The manifolds will start glowing red around 1400 degrees, at***

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***1650 degrees they are cherry red, at 1900 degrees they are transparent red!.***

***Average muffler temperature?  
- Car Talk Community***

***I saw a picture of an gas v-8 engine on a dyno and the exhaust manifolds were glowing red, so I'm curious. From what I've gathered here, diesels run anywhere from 400F at cold idle, to 800F moderate load, to 1100-1300F loaded. Was it 1400+F where you start to kill the turbo? Are pyro/exhaust temp guages ever used on gas motors, like they are on ...***

***Fuels Exhaust Temperatures -  
Engineering ToolBox***

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***At rich air-fuel ratio, the exhaust gas temperature either increases or decreases depending on the fuel. High temperatures (typically above 1,600 °F or 900 °C) can be an indicator of dangerous conditions that can lead to catastrophic engine failure.***

### ***Exhaust Gas Temperature Basics - Diesel Power Magazine***

***As for WOT readings, on a gasoline, normally aspirated engine, I consider 1,200-1,300 degrees normal; add another 300-400 degrees on a boosted engine. If I see a 400-degree disparity between the...***

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### ***Exhaust gas temperature gauge - Wikipedia***

***Exhaust gas is by-product of combustion and is naturally at a high temperature. But there is a limit to the diesel engine exhaust gas temperature, and it should not exceed the manufacturer's stated values. Learn what problems can cause this rise in exhaust gas temperature in order to enable troubleshooting and so that taking care of these factors results in restoring normal temperatures.***

### ***Diesel Exhaust Gas***

***The head temp went up about 10 -15 degrees. Shooting it with an IR gun moments after stopping from a mid throttle***

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***run nets about 210 F. That was on the side opposite the muffler. Shooting the side of the exhaust pipe where the gas enters from the motor, shile running, was around 300 degrees.***

***Typical small gas engine cylinder temp is...? -***

***FlyingGiants***

***Exhaust gases normally discharges at a temperature of around 420°C (788°F).***

***Many incidents have been recorded where the exhaust of a diesel engine has ignited vapors from a leak. Several methods are used to prevent the hazards of exhaust gases acting as an ignition source.***

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