WHAT IS OCTANE?

MINIMUM OCTANE RATING (R+M) / 2 METHOD **87**

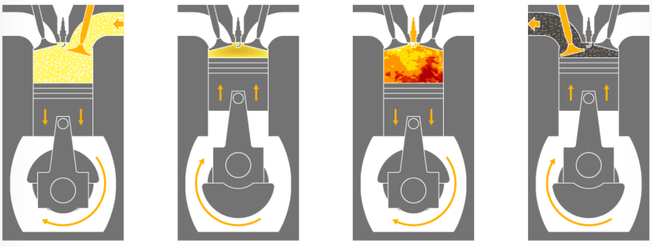
MINIMUM OCTANE RATING (R+M) / 2 METHOD **89**

MINIMUM OCTANE RATING (R+M) / 2 METHOD **91**

SEE THOSE NUMBERS?

Octane is a measure of how much temperature and pressure your fuel can withstand before igniting. The higher the octane rating, the less likely the fuel is to ignite prematurely.

HERE'S HOW IT WORKS



STEP 1
Air and fuel enter the cylinder

STEP 2
The cylinder compresses the air and fuel

STEP 3
The mixture is ignited, pushing the piston down and turning the crankshaft

STEP 4
The exhaust is pushed out

Higher octane allows for more compression, which increases efficiency and performance and reduces emissions, meaning you can:

USE LESS FUEL

GET MORE POWER AND GO FASTER

REDUCE EMISSIONS BY 35 MILLION TONS OF CO_2 IN THE US

But how do we get higher octane in our fuels? Well, we already have what we need—alcohol fuels like **ethanol** and **methanol**.

E85 85% Ethanol

WANT TO LEARN MORE ABOUT OCTANE? CLICK HERE.

FUELFREEDOM™

CHEAPER. CLEANER. AMERICAN-MADE.