



Don't be
neutral about

carbon
neutrality

Driving differentiation and challenging perceptions

Beyond fuel efficiency

Less oil, smaller footprint

The world's first certified carbon-neutral commercial vehicle engine oil

How an engine oil can be certified carbon-neutral

Carbon credits that make a difference

How **Castrol® VECTON®** is helping customers today

Make the smart choice today



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The heavy-duty industry is facing big challenges. With rising operational costs, it's becoming increasingly difficult to compete and stand out among peers. In a world where people are more environmentally conscious, demonstrating action toward environmental issues can be important.

Thankfully, there's a solution to these challenges; a potential way to counter the negative perceptions, but also drive differentiation in the category.

There's a wider and more holistic approach to lowering your carbon footprint that can make a positive impression on your customers, but it goes beyond what comes out of the tailpipe.

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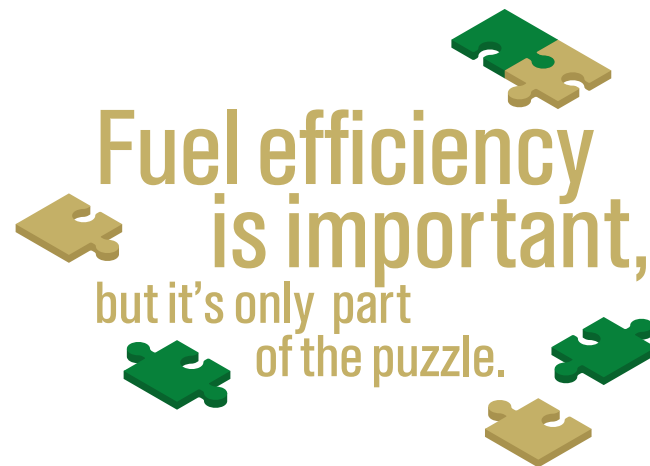
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Lowering carbon emissions is not a new concept. Companies in the heavy-duty industry have been working on it for years, but the focus has predominantly been on fuel efficiency.

Fuel efficiency is important, but it's only part of the puzzle.



Lowering your fleet's carbon footprint can begin well before a single engine is started.

If businesses want to take the next step, it requires a holistic approach, considering the entire supply chain including their suppliers and their suppliers' supply chain. This means anything and everything that emits carbon, both directly and indirectly.



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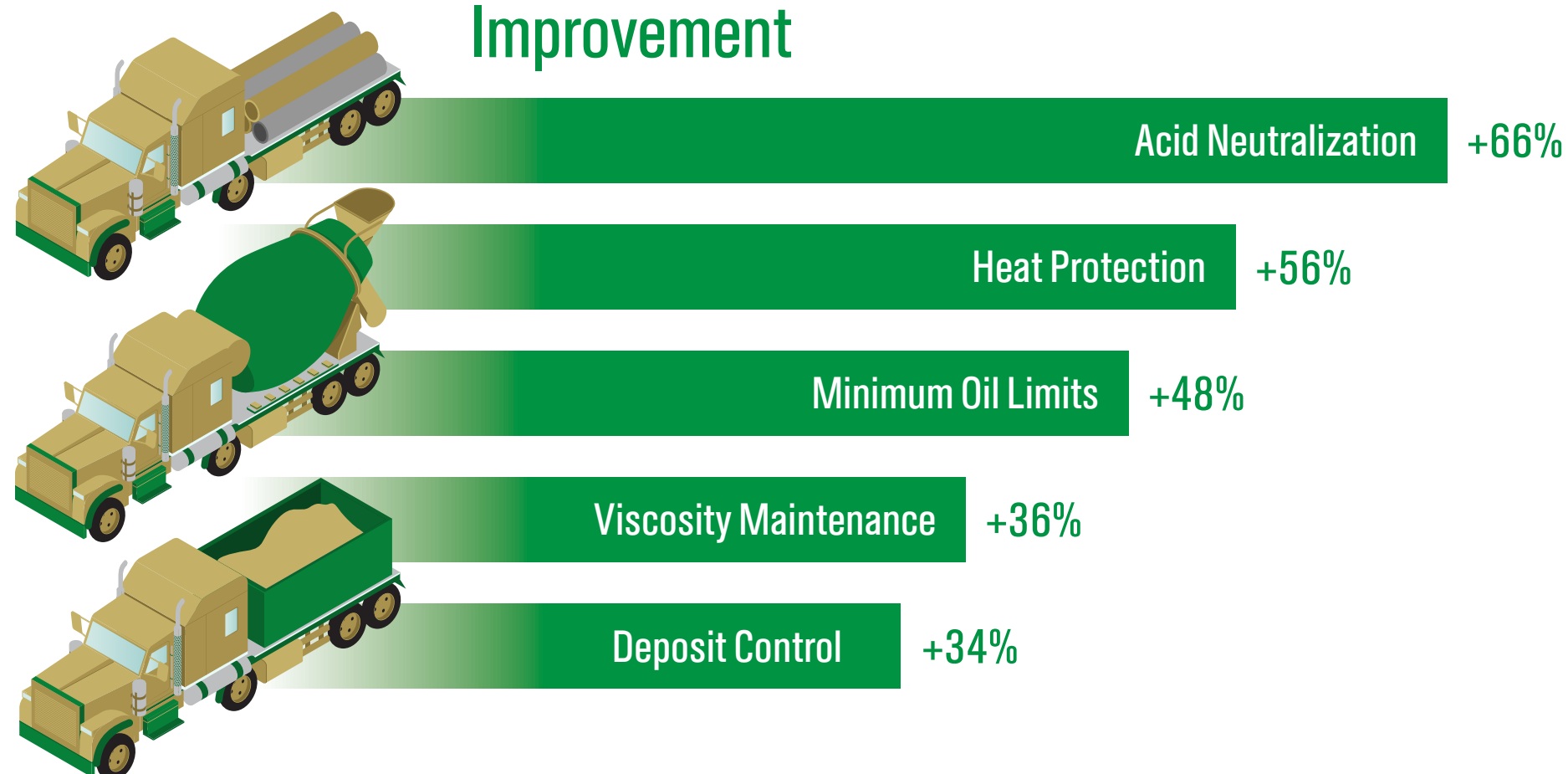
Engine oil is a small percentage of the maintenance budget, so it is often overlooked. However, not only does the right engine oil save money over a vehicle's lifetime by minimizing friction; it can also have a positive impact on lowering your carbon footprint.

Castrol® VECTON® is engineered to deliver an extra performance reserve

up to
45%*

that fights oil breakdown by helping to control oxidation, reduce deposits and neutralize harmful acids. This not only means longer useful oil life, giving you confidence to maximize your drain interval, it also means less oil used.

VECTON Improvement



* Average of percentages by which VECTON exceeds the industry standard requirement limits in API CK-4 and ACEA E9-16 engine tests for viscosity maintenance, heat protection, deposit control, minimum oil limits and acid neutralization. In API CK-4 tests only, the VECTON performance reserve is 40%.



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We recognized that our fleet customers wanted more practical, lower-carbon solutions; so we took the steps to make VECTON certified carbon neutral in 2017. Using a certified carbon-neutral engine oil demonstrates that you are in action on the challenge of climate change.

Carbon-neutral products fund carbon reduction activity for projects around the world many of which deliver a range of social, economic, and environmental co-benefits to local communities.



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Castrol® VECTON® is certified to an internationally recognized standard of carbon-neutral certification, BSI PAS 2060. This standard not only assesses the product lifecycle from cradle to grave, it also requires a carbon reduction plan and must be independently assured by a third party. Any remaining greenhouse gas emissions are offset by purchasing and retiring high quality, certified carbon credits.

What is carbon offsetting?

Carbon offsetting is the process of compensating for emissions by funding an equivalent carbon saving elsewhere. This is done by buying carbon credits which finance initiatives that either reduce emissions or absorb carbon and then retiring them in the amounts needed to compensate for the emissions. Retirement is the process of applying the offset and thereby removing it from further use or trading.*

*BP Lubricants USA Inc. ("Castrol") blends and markets Castrol-branded lubricant products made from hydrocarbons. The global scientific community has reached consensus that emission of carbon dioxide (CO₂) and other gases from the use of hydrocarbons, including the combustion of fossil fuels, is a contributor to global warming causing what is commonly referred to as climate change. Castrol acknowledges this scientific consensus but also recognizes the role that lubricants play in supporting efficient motion to meet everyday energy needs.

Please note that a carbon offsetting program will not change or reduce the CO₂ emissions from any combustion of Castrol product nor is it certain that carbon offsetting has a quantifiable effect on the planet.

To learn more about climate change, see <https://www.ipcc.ch/>

To learn more about bp and climate change, see <https://www.bp.com/en/global/corporate/energy-economics/energy-outlook.html>



THIS CAN HELP YOU:


PROMOTE YOUR BUSINESS AS A LOW CARBON CHAMPION


MEET YOUR CARBON REDUCTION PLANS


DIFFERENTIATE FROM THE COMPETITION & WIN NEW BUSINESS



SUPPORT CARBON REDUCTION PROJECTS AROUND THE WORLD

To find out more about our process, watch this video.

[Watch video](#)

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“ At Castrol, we have developed a sustainability roadmap that encompasses every aspect of our business. We are harnessing circular economy thinking and looking into the life-cycle of every product to see how it can be improved, extended, reused, or recycled; to help our customers decarbonize save waste and water to improve their environmental footprints further. ”

Rachel Bradley, Global Sustainability Director at Castrol

There is no denying that taking action to reduce Castrol's carbon footprint is simply the right thing to do, plus it also makes good business sense. And we're just getting started.

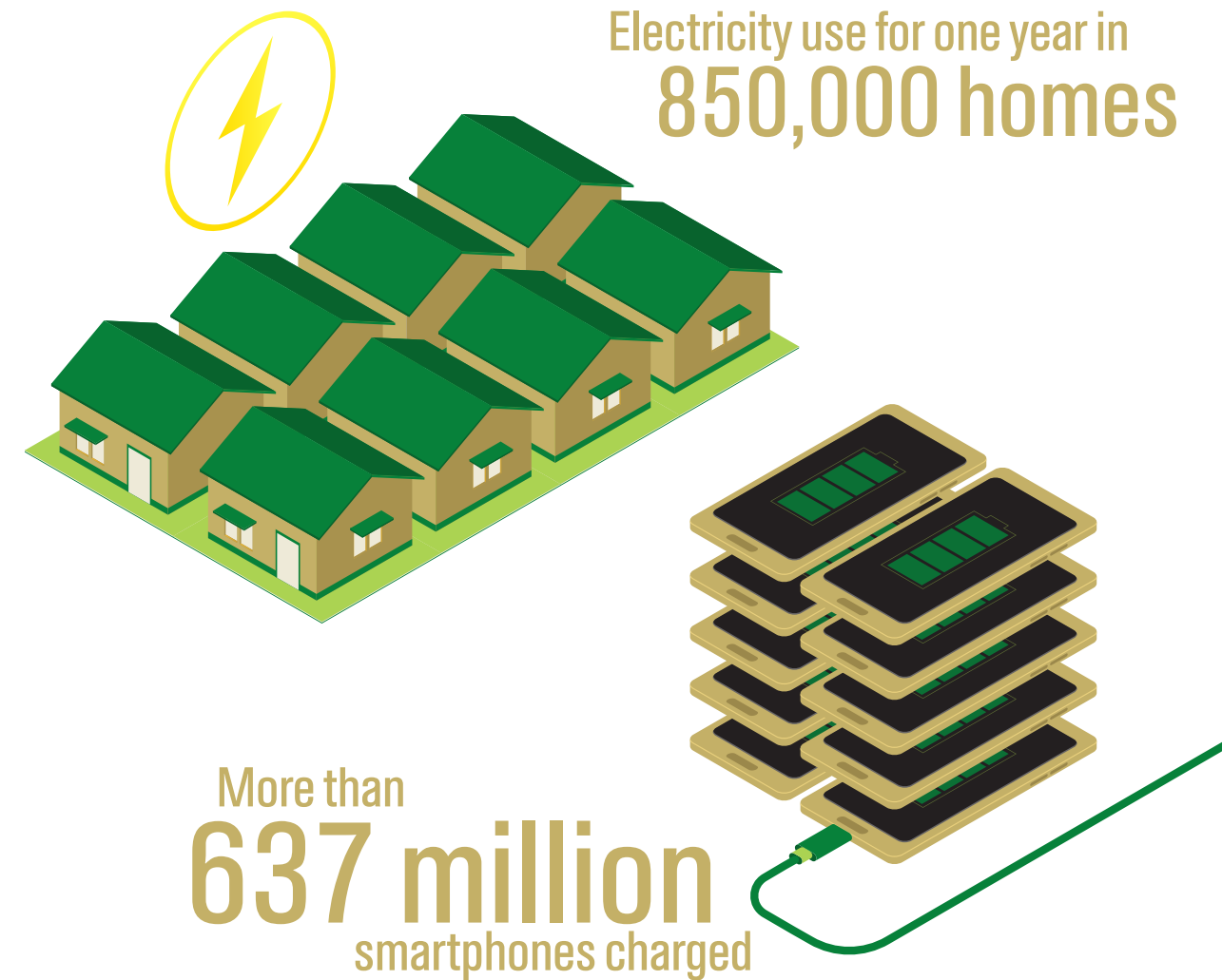


Carbon credits that make a difference

The remaining footprint of Castrol® VECTON® is neutralized by purchasing and retiring high-quality carbon credits through bp Target Neutral.

Since 2006, bp Target Neutral has helped customers reduce and offset more than six million tons of carbon emissions. Castrol is working with Target Neutral to deliver a series of carbon-neutral products and services. Castrol® VECTON® undergoes an annual process to review the carbon footprint, update the carbon reduction plan and offset the residual emissions by purchasing carbon credits from bp Target Neutral's portfolio of projects around the world.

As well as reducing emissions, these projects also contribute to the objectives of the UN Sustainable Development Goals, improving the lives of millions of people through better access to energy, health, education and jobs.



To find out more about bp Target Neutral and the offset projects you are supporting by using Castrol® VECTON®, visit its website.

[Visit bp Target Neutral](#)

Calculations from EPA Greenhouse Gas Equivalencies Calculator, <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>

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We've invested in bp Target Neutral programs that help make a difference - here are some examples

Cook stoves and better health in Mexico

In Mexico, approximately 80% of rural households use open fires for cooking. The collection of firewood contributes to deforestation and the open fires can cause respiratory problems - in fact, almost four million people across the world die prematurely every year as a result of household air pollution ([WHO, 2018](#)).

bp Target Neutral has equipped more than 31,000 rural homes with **cookstoves that burn more efficiently and use up to 58% less firewood**. Not only does this mean a carbon reduction of almost 92,000 tons of CO2e per year; it also means the indoor air pollution is reduced to near WHO standards, making a critical health difference.



Project data is provided by the project suppliers and developers

Bringing offsetting to higher education

Another program supported by bp Target Neutral is the Campus Clean Energy and Energy Efficiency Projects (CCEEP). They support colleges and universities across the USA in developing and marketing carbon offsets as a way to **accelerate their progress towards campus carbon neutrality**. Proceeds from carbon credit sales are invested into sustainability projects on campus, allowing institutions to achieve greater emissions reductions and pushing communities to develop clean, efficient energy systems. To be eligible to sell their carbon reductions, all campuses must deliver greenhouse gas reduction performance, either campus wide through energy-based emissions, or for individual LEED®-certified buildings which ranked in the top 15% of their peers nationally. This campaign is open to all US universities and colleges.



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Razorback

Razorback operates 19 ready-mix plants and four quarries across Arkansas and is one of the premier ready-mix companies in the state. By converting their fleet to carbon-neutral VECTON,

they have offset approximately **178,000 pounds of CO2e per year,**

which is equivalent to carbon sequestered by 105 acres of U.S. forests in one year.*



*From US EPA Greenhouse Gas Equivalencies Calculator: <https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>



Hotard Coaches

Hotard Coaches operates a fleet of 78 coaches that travel across the US and wanted lower carbon solutions for their customers. Therefore, Hotard converted its entire fleet to VECTON and as a result, they have reduced the carbon footprint of the operations and bolstered the company's sustainability objectives. In addition, they have put VECTON decals on the side of their coaches to tell customers they are making a difference, ultimately helping to improve the company's reputation.

“It is a true blessing to find a similar company that is heading in the right direction when it comes to producing low carbon, quality products and services.”

Michael Hoover, Director of Maintenance

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When Castrol first developed VECTON, we focused on pioneering performance and elite efficiency. Now, we've applied the same pursuit of perfection to our consideration of how to reduce our impact on the environment. Our carbon-neutral product range lets businesses keep enjoying the benefits of high performance and increased drain intervals, while reducing their fleet's carbon impact.

This means that with VECTON, you get an engine oil that is

good for business, better for the planet, and supports the people in our communities.



The United Nations has described the 2020s as the "Decade of Action", saying that we have ten years to transform the world*, and with VECTON, your business can start taking action today.

Click to contact a Castrol representative

to find out more about what VECTON can do for your business

Contact us

*<https://www.un.org/sustainabledevelopment/decade-of-action/>

