ADAPT TO A SUSTAINABLE FUTURE

IT’S MORE THAN JUST OIL. IT’S LIQUID ENGINEERING.
Today asks more from modern fleet owners – maintaining engine performance, meeting forever-changing legislations and minimizing carbon emissions. To succeed in such a dynamic environment, you need to adapt to a sustainable future. Because to adapt is to succeed.

In the last 15 years, carbon emissions from global road freight transport have increased by 50%, meaning more and more fleet owners are now looking for carbon-neutral solutions or government initiatives such as Smartway.

UNDERSTANDING CARBON NEUTRALITY

WHAT IS IT?
Carbon neutrality (also known as net-zero carbon footprint) refers to when the net greenhouse gas emissions of an organization, service or product are equal to zero.

HOW DOES IT WORK?
Businesses achieve carbon neutrality by balancing a measured amount of carbon released with an equivalent amount offset. This is then verified by an independent body who can award carbon-neutral certification.

WHAT’S INVOLVED?
Businesses seeking to go carbon-neutral start the process with a full lifecycle carbon footprint to set a baseline. A carbon-reduction plan is then put in place with a commitment to reduce emissions over a period of time. The emissions that cannot be avoided or reduced immediately can be offset using carbon credits from carbon-reduction projects all over the world.

WHAT ARE THE BENEFITS?
A net-zero carbon footprint allows businesses to:

- Make a positive contribution to the climate challenge
- Stand out from their competitors as an environmentally responsible businesses
- Support Carbon Reduction Projects Around the World

INTRODUCING THE WORLD’S FIRST CARBON-NEUTRAL COMMERCIAL VEHICLE ENGINE OILS

Defined by the BSI’s PAS 2060 carbon-neutral certification standard.
CASTROL®’S COMMITMENT TO CARBON-REDUCTION PROJECTS

Castrol has a carbon-reduction plan in place for VECTON®, with unavoidable emissions offset through BP Target Neutral – a program that invests in carbon reduction projects around the world. The 2017 portfolio has the capability to help offset up to 2.5 million tons of CO₂ per year and includes investments in forest protection, biogas and renewable energy projects.

A fleet of 30 vehicles can reduce their Carbon Footprint around 5200 POUNDS of CO₂e* per year by using Castrol VECTON

That’s the equivalent CO₂e absorbed by around 2.8 ACRES of U.S. forests in one year**

*Based on an average consumption of 40l per vehicle at an average 16.7lbs of CO₂e per gallon of VECTON

**US Environmental Protection Agency, as stated by the Greenhouse Gas Equivalencies Calculator

Make a difference to your journey; one that leaves an impression that reflects positively on your business.

Adapt to a sustainable future, with Castrol VECTON.

To learn more about how Castrol VECTON can help maximize your fleet’s performance and minimize carbon emissions, contact your Castrol sales representative.
CASTROL VECTON’S CARBON-NEUTRAL PROCESS

Castrol applies a five-step process in accordance with globally recognized standards.

1. QUANTIFY – Assess the GHG emissions in accordance with ISO series 14064 and 14040.

2. SET TARGETS – Identify areas where Castrol can Reduce or Replace. Reducing can achieve efficiencies that cut carbon emissions. Replacing identifies processes, products or services for which lower-carbon alternatives can be sourced.

3. NEUTRALIZE – Any remaining GHG emissions for Castrol VECTON are offset by certified carbon credits through BP Target Neutral carbon-reduction projects.

4. DOCUMENT & VALIDATE – Follow all carbon-neutral standards and file a compliant declaration of achievement of neutrality for Castrol VECTON.

5. REPORT – Publicly disclose all of the documentation that supports Castrol VECTON’s carbon neutrality, in line with the ICROA code of best practices.
Ball State University was able to replace the university’s coal-fired boilers and chilled water equipment and achieved a seven-fold increase in efficiency.

The University of Illinois was able to achieve Gold Level honors in the Sustainability, Tracking, Assessment and Ratings System (STARS). In 2015, new targets were set that include goals of 120,000 MWh/year from low-carbon energy sources and 12,500 MWh/year of on-campus solar energy.

Southern Oregon University is the first university in the nation to balance 100% of its water consumption. The university is also now producing more than 70,000 kWh/year of renewable energy.

Three universities are being supported by BPTN this year: Ball State University, Indiana, University of Illinois Urbana-Champaign Campus and Southern Oregon University. Together, the three campuses currently participating will reduce approximately 95,000 tons of CO₂e emissions per year.
ALTERNATIVE COVER GAS
FOR MAGNESIUM PRODUCTION

Project Location: Meridian Magnesium Products - Eaton Rapids, MI

Since 2001, Meridian has lowered its carbon emissions per ton of metal produced by 72% at its Eaton Rapids, Michigan facility. The BP Target Neutral Project has led to a reduction of GHG emissions by 200k – 300k metric tons of CO$_2$e per year.

Prior to the project, Meridian used the industry-standard “cover gas”: sulfur hexafluoride (SF$_6$). SF$_6$ is inexpensive, non-reactive with magnesium, non-toxic and relatively easy to use. However, SF$_6$ is also an incredibly powerful greenhouse gas that has a global warming impact about 23,900 times stronger than CO$_2$.

Meridian, with the help of BP Target Neutral, pioneered the use of NOVEC™ 612 to replace SF$_6$ in their operations. In recognition of its leadership in this area, Meridian won the 2011 International Environmental Responsibility Award from the International Magnesium Association.

Magnesium ingots manufactured without the damaging GHG, SF$_6$. 
FOR MORE INFORMATION ON CASTROL HEAVY DUTY PRODUCTS AND SERVICES, PLEASE CALL 1.888.CASTROL OR VISIT WWW.CASTROL.COM/VECTONUSA

BP LUBRICANTS USA INC.
1500 VALLEY ROAD WAYNE, NJ 07470

IT’S MORE THAN JUST OIL. IT’S LIQUID ENGINEERING.