



# Delivering value that matters

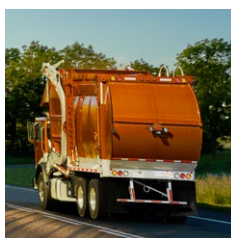
Castrol® Heavy Duty products, programs and support



On-Road Trucking



Construction/Landfill



Refuse/Vocational



Mining/Quarry



Natural Gas

 **Castrol**  
Heavy Duty  
Lubricants

# Field-tested, fleet-trusted premium products

Opportunity	Castrol® solution	Proven benefits
Enable longer service intervals and reduced costs even when operating under the most severe conditions	<b>Castrol VECTON®</b> <ul style="list-style-type: none"> <li>• Long Drain 10W-30 CK-4</li> <li>• 15W-40 CK-4</li> <li>• Multi-Fuel 10W-30 CK-4/NG</li> <li>• Multi-Fuel 15W-40 CK-4/NG</li> </ul> <b>Advanced part-synthetic diesel engine oils</b>	<ul style="list-style-type: none"> <li>• Reduces operating costs by extending drain intervals; for VECTON Long Drain 10W-30, up to 80,000 miles or 1,000 hours<sup>1</sup></li> <li>• VECTON Multi-Fuel variants meet API CK-4 (diesel), Cummins CES 20092 (natural gas), and API SN (gasoline) engine specs</li> <li>• All VECTON products are part of the Castrol MoreCircular program - designed to reduce carbon footprint of lubricants<sup>2</sup></li> </ul>
Protect critical equipment with an oil designed for long and healthy engine life	<b>Castrol CRB® Multi</b> <ul style="list-style-type: none"> <li>• 10W-30 CK-4</li> <li>• 15W-40 CK-4</li> </ul> <b>Synthetic blend diesel engine oils</b>	<ul style="list-style-type: none"> <li>• Protection against oil thickening and deposit build-up in critical engine parts</li> <li>• Keeps critical engine parts clean</li> <li>• Versatile product that is ideal for use in mixed fleets</li> </ul>
Extend drain intervals while maintaining optimum protection with minimal thermal degradation and good deposit control	<b>Castrol Duratec™ ES 15W-40</b> <b>Synthetic natural gas engine oil (NGEO) for mobile equipment</b>	<ul style="list-style-type: none"> <li>• Specially designed NGEO for on-road trucks and vocational vehicles; enables extreme extended drain intervals</li> <li>• Exceptional nitration and oxidation control compared to other mineral-based NGEOs</li> <li>• Exceptional anti-wear and extreme pressure protection</li> </ul>
Reduce maintenance costs on hydraulic systems and pumps and achieve superior wear protection <sup>3</sup>	<b>Castrol Dual Range™ HV</b> <b>Multi-viscosity hydraulic fluid</b>	<ul style="list-style-type: none"> <li>• Multi-viscosity fluid with a high viscosity index that offers superior wear protection at both high and low temperatures</li> <li>• Eliminates seasonal change-outs</li> <li>• Documented two-times hydraulic pump life</li> </ul>
Extend service intervals, simplify maintenance practices, and consolidate inventory	<b>Castrol Trans-C™ HT</b> <b>Full-synthetic transmission &amp; hydraulic fluid</b>	<ul style="list-style-type: none"> <li>• All-weather transmission and hydraulic fluid that balances high-temperature wear protection with low-temperature flow properties</li> <li>• Provides superior oxidation protection versus typical anti-wear hydraulic fluids</li> </ul>
Extend transmission life and reduce costs by extending drain intervals	<b>Castrol TranSynd® 668</b> <b>Full-synthetic automatic transmission fluid</b>	<ul style="list-style-type: none"> <li>• Allison Transmission®-approved fluid; meets latest TES-668 performance specification</li> <li>• TES 668 differentiators include improved wear protection, extended anti-shudder durability, and extended clutch-friction durability</li> </ul>
Protect equipment and extend grease service intervals and equipment life	<b>Castrol Pyroplex®</b> <ul style="list-style-type: none"> <li>• Gold</li> <li>• Protection ES</li> <li>• Blue</li> </ul> <b>Aluminum-complex &amp; lithium-complex greases</b>	<ul style="list-style-type: none"> <li>• Proprietary hydro-activated™ technology provides optimum "stay-in-place" ability</li> <li>• Provides maximum wear and equipment protection under extreme pressure</li> <li>• Reduces grease consumption and can extend service intervals and equipment life</li> </ul>
Maximize protection and reduce cooling-system maintenance in heavy-duty applications	<b>Radical™ SF-O Premix</b> <b>Extended-life coolant</b>	<ul style="list-style-type: none"> <li>• Extended service life of up to 1,000,000 miles or 20,000 hours with no SCAs required<sup>4</sup></li> <li>• Free of phosphates, silicate, nitrites, amines and borates</li> <li>• Offers excellent cavitation protection for wet sleeve liners</li> </ul>

<sup>1</sup>Extending oil drain intervals should only be done in conjunction with a comprehensive used oil analysis program like Castrol Labcheck. <sup>2</sup>These lubricants achieve a lower carbon footprint by using re-refined base oils in place of part or all the virgin base oils traditionally present in Castrol lubricants, resulting in lower cradle-to-gate production emissions. <sup>3</sup>Versus a typical mono-grade hydraulic fluid. <sup>4</sup>Proper inhibitor level should be determined by coolant testing; the recommended test interval is 300,000 miles, 6,000 hours, or 1 year, whichever comes first.

# Industry-leading programs & support



## Castrol Labcheck®: Industry-leading used oil analysis program

- Customizable, web-based user interface
- Extensive tools and reports
- Approximately 450,000 samples are processed annually in the U.S.
- **Labcheck On The Go** mobile app provides instant access to results

**Lower carbon footprint lubricants<sup>1</sup> for your business:** Castrol MoreCircular is a program designed to reduce the carbon footprint of lubricants<sup>1</sup> by creating a more circular economy. It includes the collection of used oil as well as the supply of lower carbon footprint lubricants<sup>1</sup>.



- We are focusing on the following three areas: Saving waste, reducing carbon, and improving people's lives.
- **Castrol MoreCircular** - Our program designed to reduce the carbon footprint of lubricants by creating a more circular economy. It includes the collection of used oil as well as the supply of lower carbon footprint lubricants.
- **Castrol MoreCircular** lubricants offer the same high quality and performance as their traditional versions. They are formulated to meet or exceed the latest OEM and industry standards so that you do not have to choose between premium quality and sustainability.

<sup>1</sup> These lubricants achieve a lower carbon footprint by using re-refined base oils in place of some or all of the virgin base oils traditionally present in Castrol lubricants, resulting in lower cradle-to-gate production emissions.



## Castrol Lube Advisor: Castrol can provide a detailed lube survey for your fleet

- Complete listing of all lubricated equipment
- Recommended Castrol fluids by compartment
- Often leads to savings from extended drain recommendations and consolidation of inventory



Follow us

## Castrol U.S. Heavy Duty: LinkedIn Showcase Page

- Featuring industry news, resources, and maintenance tips
- Showcases Castrol premium products, services and solutions
- Follow us at: [www.linkedin.com/showcase/castrol-us-heavy-duty-lubricants/](https://www.linkedin.com/showcase/castrol-us-heavy-duty-lubricants/)

## Castrol links: Detailed information about Castrol products and programs

- **U.S. home page:** [www.castrol.com/us](http://www.castrol.com/us)
- **HD home page:** [www.castrol.com/hd](http://www.castrol.com/hd)
- **VECTON home page:** [www.castrol.com/vectonusa](http://www.castrol.com/vectonusa)
- **TranSynd 668 home page:** [www.castrol.com/transyndusa](http://www.castrol.com/transyndusa)
- **Castrol US HD LinkedIn page:** [www.linkedin.com/showcase/castrol-us-heavy-duty-lubricants/](https://www.linkedin.com/showcase/castrol-us-heavy-duty-lubricants/)
- **Castrol MoreCircular for business | Castrol® USA:** [www.castrol.com/morecircular](http://www.castrol.com/morecircular)

## Our lubrication experts are focused on helping you:

- Extend drain intervals
- Increase the lifespan of your vital equipment
- Reduce your maintenance costs







## Castrol Heavy Duty customer promise

Castrol and its distributors deliver **unsurpassed value** to customers through premium, differentiated products, programs, and support that are proven to provide optimal equipment protection, extended drain capabilities, and operational efficiencies.

Our lubrication experts partner with on-road and off-road fleets to design **innovative, money-saving solutions** that are aligned with customer performance goals and supported by Castrol's deep analytical insights.

We take pride in being the lubricant supplier of choice among heavy-duty fleets that seek to extract **maximum operational savings and that value demonstrated results**.

Castrol has the expertise, products, and programs you need.

**Please contact us for more information.**

### Castrol Heavy Duty Lubricants

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[www.castrol.com/hd](http://www.castrol.com/hd)

