



# Data centre liquid cooling

Castrol ON Direct Liquid Cooling PG 25



Data centres are responsible for an estimated 2-3% of global power consumption\*. With growth in digital services and power-intensive Machine Learning and Artificial Intelligence infrastructure the power consumption is expected to grow significantly and thermal management becomes an increasing challenge. To cope with heat generated by the next generation of high-powered chips liquid cooling is required. Currently, direct-to-chip is the dominant technology of liquid cooling.

According to a recently published report from Dell'Oro Group – the trusted source for market information about the telecommunications, security, networks, and data centre industries – **the Data Centre Liquid Cooling market has hit an inflection point, with the mainstream adoption of liquid cooling starting in the second half of 2024**. As this adoption occurs, single-phase, direct-to-chip liquid cooling (DLC) deployments will scale first. This is the result of the long-standing adoption of high-performance computing (HPC).\*\*

## Castrol ON is the right choice



Castrol collaborates closely with customers and partners to develop fluids that meet the specific requirements of our customers.



By adding the Castrol ON Direct Liquid Cooling PG 25 to our existing range of immersion cooling fluids and associated services, Castrol becomes a one-stop partner for the liquid cooling solutions of today and tomorrow.



Castrol has been innovating for 125 years. We seek partners who push boundaries and embrace continuous learning to stay ahead in a changing world.



Castrol is proud to announce the launch of **Castrol ON Direct liquid Cooling PG 25**.

**More information can be shared by dropping a note to: [liquidcoolingGC@bp.com](mailto:liquidcoolingGC@bp.com)**

\* [Data centres & networks - IEA](#)

\*\* [Data Center Liquid Cooling Market Set to Go Mainstream and Top \\$15 B over the Next Five Years, According to Dell'Oro Group - Dell'Oro Group \(delloro.com\)](#)