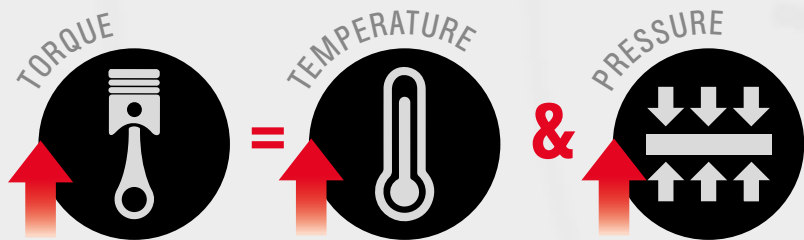


TACKLE EXTREME ENGINE CONDITIONS WITH

SYSTEMPRO
TECHNOLOGY™

THE PROBLEM:

In the drive for lower greenhouse gas levels, OEMs are down-speeding engines to reduce CO₂ emissions. A drop in engine speed from 1,300 RPM to 1,000 RPM would require a 30% increase in torque to maintain the same power. An increased amount of torque leads to higher temperatures and pressure in the engine which shortens the useful life of oil.



This punishes the oil, pushing it closer to breakdown, reducing its useful life. This increase in the harshness of conditions requires the engine oil to work harder to maintain its level of performance and continue to protect the engine. The degradation of vital oil components is accelerated in these operating conditions.

Accelerated oxidation, increased build-up of deposits and rapid depletion of the oil's corrosion resistance can be the consequence, reducing the ability of the oil to protect the engine.



THE SOLUTION:

CASTROL VECTON WITH SYSTEM PRO TECHNOLOGY™

Castrol has developed **VECTON** with new **SYSTEM PRO TECHNOLOGY™**, which has an extra performance reserve that fights oil breakdown by helping to control oxidation, reduce deposits, neutralise harmful acids and also adapt to higher temperatures, maintaining viscosity. **That means longer useful oil life, giving you confidence in your maximum drain interval.**



OXIDATION

SYSTEM PRO TECHNOLOGY™ provides resistance to high temperature deposit and acid formation.

HEAT PROTECTION



DEPOSITS

SYSTEM PRO TECHNOLOGY™ controls these harmful deposits by helping to keep pistons clean.

DEPOSIT CONTROL



CORROSIVE WEAR

SYSTEM PRO TECHNOLOGY™ protects surfaces from corrosive wear by helping to neutralise acids

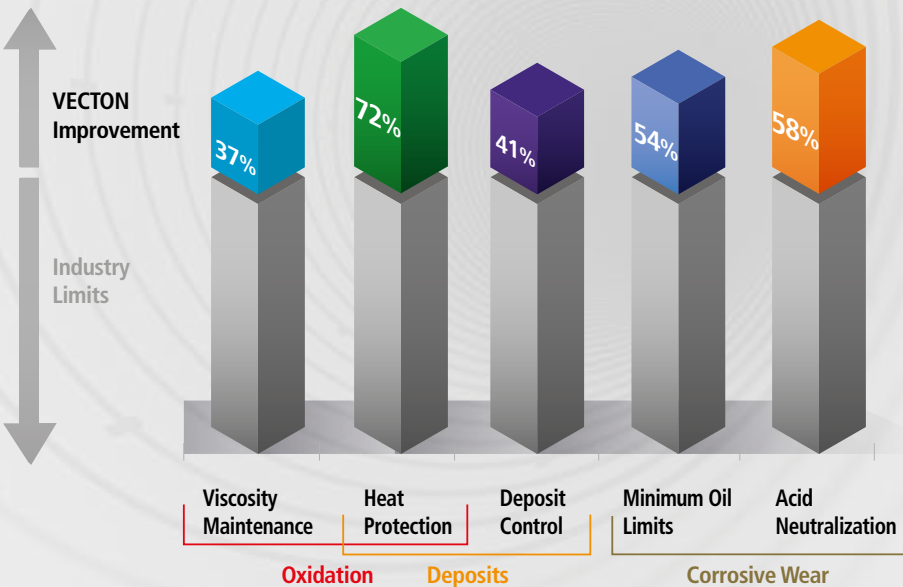
ACID NEUTRALISATION



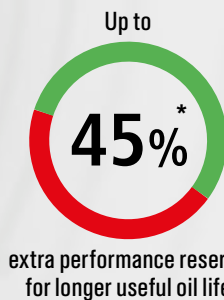
THE TESTING:

Castrol VECTON range - up to 45% Extra Performance Reserve

Castrol VECTON Performance Improvement by Category



SYSTEMPRO
TECHNOLOGY™



AND THE RESULTS:

The **Castrol VECTON** range* performed, on average, **45% better than API and ACEA test limits**, demonstrating that **Castrol VECTON** with **SYSTEM PRO TECHNOLOGY™** **delivers an extra performance reserve to give you the confidence in your maximum drain interval.**

*Based on tests conducted on 81% of the whole Castrol VECTON range by volume based on 12 months sales.



MAXIMISE YOUR DRAIN INTERVAL.
MAXIMISE YOUR PROFIT.