



Less drain, more gain

Karl Rudman, business development manager at Petro-Canada Lubricants Europe, discusses how the latest oil developments can help deliver extended drain intervals



Restricting fuel consumption remains high on the agenda for OEMs and fleet operators. The use of lower viscosity lubricants can deliver significant fuel economy benefits, including extending drain intervals.

At Petro-Canada Lubricants, we introduced our Duron next generation product line to the European market to meet the strictest global regulations for heavy duty engine oil regulations, including North American API CK-4/FA-4 standards and Euro 6 and ACEA.

As part of this, the oils were put through the most rigorous testing to demonstrate how they meet our customers' needs for better fuel economy and extended drain intervals.

A core focus in the development of Euro 6 and ACEA in Europe and API CK-4 and FA-4 in North America was the potential to deliver extended drain capabilities. The new oils that meet these standards, including Duron next generation, are designed to be more robust and more resistant to oxidation, which contribute to the ability to extend drains, with

no compromise to engine protection and uptime.

Fleet owners should be aware that any lengthening of

between moving components, while reducing pumping and spinning losses, resulting in less viscous drag and improved

degradation accelerated. To address this, newer oils offer greater resistance to oxidation, along with improved aeration



oil change intervals is a serious matter, and should only be done after reviewing your OEM recommendations, consulting with your lubricant supplier, and then conducting a trial using a sound test protocol and regular oil sample analysis to ensure the extension is merited.

Considering the role of every component when optimising fuel economy is critical to improving fleet efficiency and reducing greenhouse gas emissions.

For example, engine oils help minimise frictional losses

fuel economy. This is enhanced by the move towards low viscosity oils as they require less work to move through the engine and can flow faster.

Other operating conditions such as stop/start technology, for example in the bus and waste industries, also require a more durable lubricant to protect the engine against a substantially increased number of on/off cycles.

Also, with newer engines running at higher temperatures, conventional lubricants can be stressed, and the rate of oxidation and

for use in one or more of their vehicles, providing them with the opportunity to discover its performance and value, supported by oil analysis and technical expertise, to demonstrate the tangible benefits it delivers.

Oil analysis is a vital part of a regular maintenance schedule as it ensures that engines run with maximum efficiency to reduce running costs.

We have completed many real-world field trials with

years.

Drain intervals doubled from 20,000 miles to 40,000 miles; and there was essentially no oil consumption in the first 20,000 miles using Duron. With DLM's previous supplier, one gallon of oil was consumed within the first 12,000-14,000 miles.

In addition, the engine oil's Base Number (BN) at 20,000 Miles was 2.5 times better with Duron than it had been with DLM's previous oil. Resistance to oxidation and nitration, and viscosity retention also improved.

These results clearly demonstrate the significant cost savings and potential extension to oil drain intervals that can be obtained by transitioning to Duron heavy duty engine oil. For fleet owners and operators ready to make a change, the Duron Challenge offers a free and no-risk opportunity, supported by expert analysis, to discover the performance improvements that can be achieved.

Managing the changes required of industry specifications does not necessarily need to prove challenging for fleet operators. An evidence-based demonstration of the performance and value a specific lubricant choice can deliver is something we know our customers need, and should, be able to witness for themselves.

Duron working with some of our long-standing customers and continue to introduce the benefits of the next generation product line to potential customers. DLM Trucking, a family-owned trucking business based in Washington, United States, with a fleet of over 50 trucks, took on the Duron Challenge.

DLM saw the results from the Duron Challenge almost immediately and were able to directly compare the performance of Duron against the competitor oil they had previously used for over 30

The Challenge offers fleet owners a free trial of Duron