DELIVERING THE NEXT GENERATION OF HEAVY DUTY ENGINE OILS

MODERN ENGINES PLACE GREATER DEMANDS ON THE OIL

HIGHER TEMPERATURES

IMPROVED COMBUSTION EFFICIENCY

INCREASED POWER OUTPUT

BETTER FUEL EFFICIENCY

REDUCED EMISSIONS

SHELL LED THE DEVELOPMENT OF NEW API CK-4 OILS

2013

API launches new CK-4 specifications and tests
Shell is first to announce API CK-4 heavy duty portfolio in North America

2016

Shell Rimula CK-4 portfolio launches worldwide
New ACEA emission standards proposed for introduction

2017

Euro VI emission standards introduced

9,000 CK-4 OIL TESTS

by Shell scientists – equivalent to 5 tests every day for 3 years

64 MILLION KM

of real-world testing – equivalent to 1,500+ times around the world

OUR LARGEST INVESTMENT

in HDDEO development to date

SHELL RIMULA R4 L AND R5 LE (CK-4) PROVIDE ROBUST PROTECTION FOR TODAY’S ENGINES

ENHANCED OXIDATION CONTROL

Enhanced oxidation control

GUARDS AGAINST OIL BREAKDOWN IN HOTTER ENGINE CONDITIONS

IMPROVED SHEAR STABILITY

Improved shear stability

RESISTS LOSS OF OIL VISCOSITY UNDER SEVERE STRESS

EXCELLENT AERATION CONTROL

Excellent aeration control

HELP PREVENT AIR BUBBLES WITHIN OIL FOR SUSTAINED WEAR PROTECTION

IMPROVED FUEL ECONOMY

Improved fuel economy

A 1% fuel economy improvement could save 4 million tonnes of CO₂ per year in North America alone

Shell Rimula CK-4 heavy-duty diesel engine oils

Shell Rimula 10W-30 demonstrated fuel economy of up to 1.6% in on the road testing compared to 15W-40 oils and SAE 10W-40 demonstrated fuel economy of up to 12% in MAN Euro 4 engines compared to 15W-40 oils using city drive cycle.

1 Earth’s circumference is 40,075 km (64,000,000 divided by 40,075 is 1,597).
2 Volvo T-1 test.
3 ASTM D7109.
4 Shell Rimula R5 LE 10W-30 demonstrated fuel economy of up to 1.6% in on the road testing compared to 15W-40 oils and SAE 10W-40 demonstrated fuel economy of up to 12% in MAN Euro 4 engines compared to 15W-40 oils using city drive cycle.
5 Calculated based on average on highway engine fuel consumption.
Whether you transport people or goods, your business relies on your vehicles and their lubricated components. We appreciate the need to keep your bus, coach or truck fleets working efficiently, which means getting the most out of your engines, axles, gears, transmissions, wheel bearings and greased components.

Our international network of experts can work with you to design a package of products and services that will meet your specific needs and help to increase your profitability. We supply an extensive range of lubricants and we aim to help you to

■ choose the right products
■ store and apply your lubricants correctly
■ achieve continuous improvement through vehicle performance monitoring.

Supporting fleet businesses across the world helps us to understand the crucial roles that lubricants play in your vehicles. Whether you want to increase engine efficiency to save fuel or to extend particulate filter life so that their replacement coincides with other maintenance activities, we have a wide range of equipment-manufacturer approved oils, fluids and greases from which you can choose.

In a controlled test, Wm Morrison Supermarkets vehicles using Shell Rimula Ultra used 2% less fuel compared with identical trucks using a 10W-40 reference oil. Engine inspections showed that the components remained in excellent condition with no visible wear or deposits after 100,000 km.

After the trial, Shell Rimula Ultra, Shell Spirax S6 AXME axle oil and Shell Spirax S6 GXME gear oil were rolled out across the entire 700-truck fleet.

1 The savings indicated are specific to the calculation date and mentioned site. These calculations may vary from site to site and from time to time, depending on, for example, the application, the operating conditions, the current products being used, the condition of the equipment and the maintenance practices.

Find out more by visiting www.shell.com/lubricants