



FOR

PROFESSIONALS

The fuel that cleans
your engine km after km



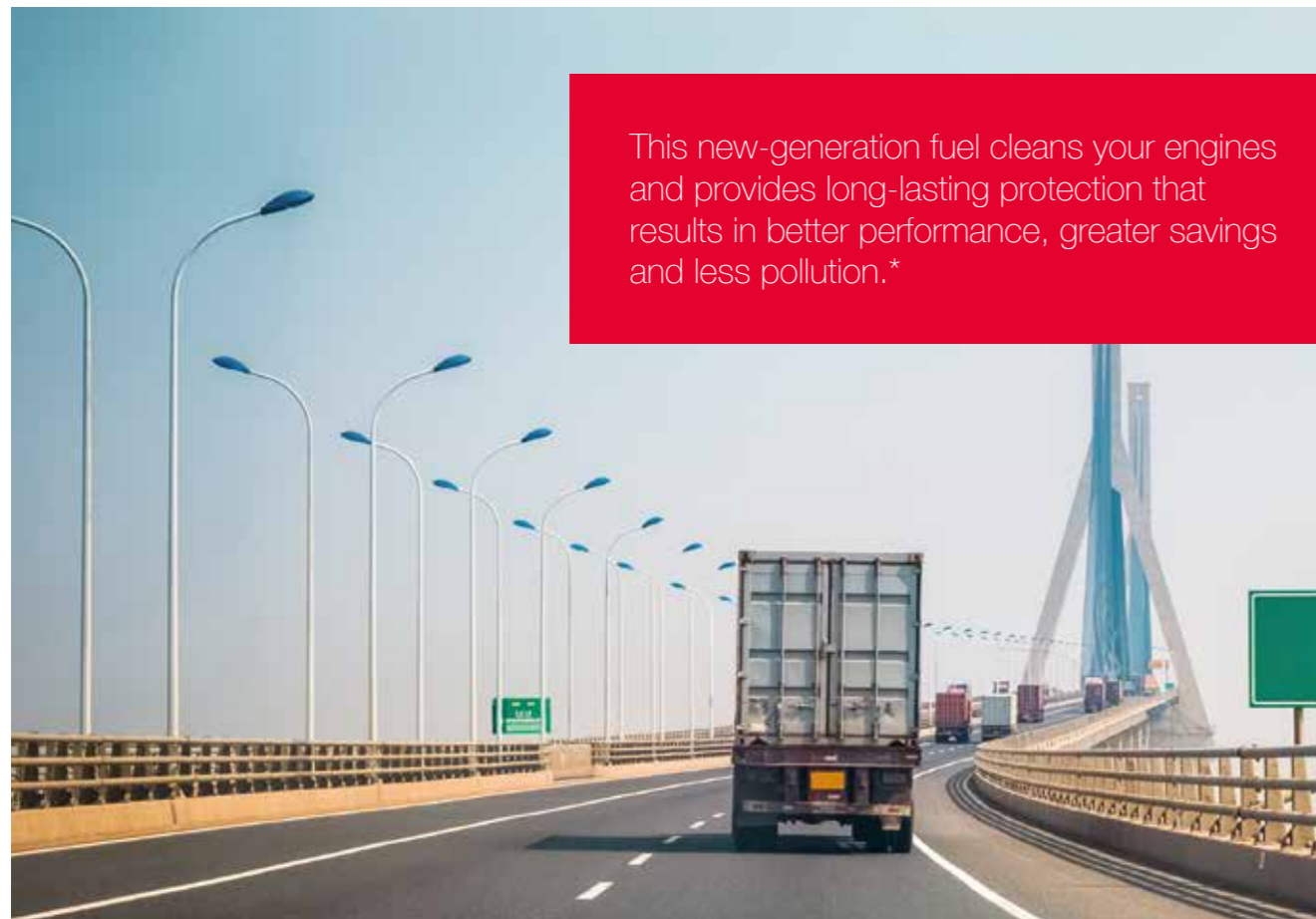


TOTAL EXCELLIUM DIESEL FOR PROFESSIONALS: A NEW-GENERATION FUEL DESIGNED FOR PROFESSIONALS

Cost control tied to vehicle operation is a key consideration for Professionals.

To meet the needs of new vehicles and to satisfy your cost reduction requirements, the TOTAL Research Center has developed TOTAL EXCELLIUM DIESEL for Professionals formula.

This new-generation fuel cleans your engines and provides long-lasting protection that results in better performance, greater savings and less pollution.*



REINFORCED PROTECTION TO GIVE YOU:



REDUCED CONSUMPTION*

Because a dirty engine can increase fuel consumption, it must be kept clean to maintain engine effectiveness.



REDUCED OPERATING COSTS* THROUGH OPTIMAL ENGINE PROTECTION AND STEADY LONG-TERM PERFORMANCE.

By eliminating deposits, TOTAL EXCELLIUM DIESEL for Professionals fuel helps engines maintain their performance level. Protection against fuel deterioration, water contamination and corrosion problems means that engines last longer.



LESS ENVIRONMENTAL IMPACT (POLLUTING EMISSIONS AND CO₂)*

By ensuring better operation throughout the engine lifespan, TOTAL EXCELLIUM DIESEL for Professionals fuel contributes to reducing polluting emissions. In addition, reduced fuel consumption leads to a direct reduction in CO₂ emissions.



DEVELOPED BY
TOTAL RESEARCH
CENTER

EXCEPTIONAL CLEANLINESS FOR YOUR ENGINES*

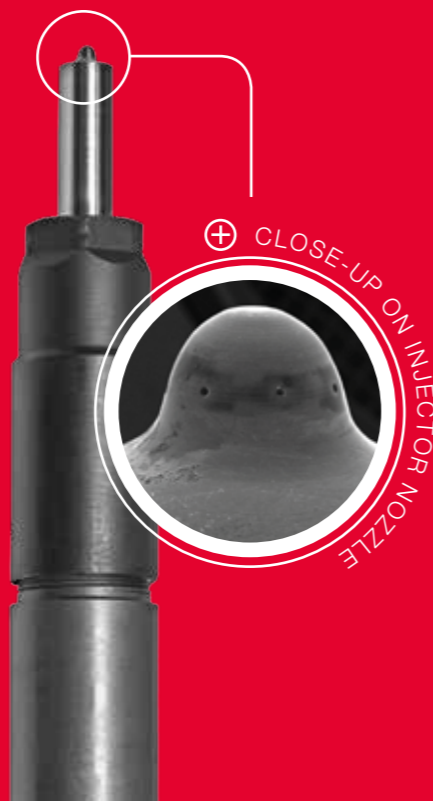
With everyday use, your engines can become fouled and provide limited performance because of **accumulated deposits** that affect sensitive parts. TOTAL EXCELLIUM DIESEL for Professionals was designed with **detergents** that clean injectors, which are key **diesel** engine components, and keep them clean.

A CLOSER LOOK AT THE INJECTOR FOULING PHENOMENON

FOULED INJECTOR



CLEAN INJECTOR



4 * As compared to fuel without specific additives.

TOTAL EXCELLIUM DIESEL FOR PROFESSIONALS:

PREVENT
UP TO 93%¹
OF INJECTOR
FOULING

KEEPS YOUR VEHICLE'S ENGINE CLEAN

TOTAL EXCELLIUM DIESEL for Professionals prevents up to 93%¹ of injector fouling.

TOTAL EXCELLIUM DIESEL for Professionals protects injectors in both the latest engine models and older ones against all types of deposits build-up².



CLEANS EXISTING FOULING

The consumption of about one hundred liters of TOTAL EXCELLIUM DIESEL for Professionals will clean the foul from your injectors **from the first use, and in only five hours²**.

CLEANS
YOUR ENGINE
FROM THE FIRST
TANKFILL
IN ONLY FIVE
HOURS²

¹ As compared to a fuel without specific additives; diesel engine bench tests carried out in January and February 2015 using the CEC F-23-01 reference method. Results may vary according to engine type.

² As compared to a fuel without specific additives. Several diesel engine bench tests were carried out: in February 2015 following the CEC F-98-08 reference method and in February 2015 using a Total Research Center method. Results may vary according to engine type.

* As compared to fuel without specific additives. 5



REDUCED FUEL CONSUMPTION PROVEN UNDER ACTUAL CONDITIONS*

-4,1%¹

REDUCE YOUR CONSUMPTION*

Because a fouled engine can increase fuel consumption, it must be kept clean to maintain its effectiveness.

Results of a test carried out in Morocco with CTM

CTM is the Moroccan leader in passenger road transportation



Tests were conducted on 18 selected vehicles that were assigned to specific routes totaling nearly **2,000 tankfills, 500,000 liters of fuel and 2 million kilometers.**

Altran, an independent body that is certified according to the ISO 9001 international standard, was entrusted with statistical processing of data.

TOTAL EXCELLIUM DIESEL for Professionals demonstrated an **average reduction of fuel consumption by 4.1%** at the end of the test period.

¹ As compared to a fuel without specific additives; results obtained on the basis of a statistical study carried out in 2016 by the Altran Company on 18 vehicles. Results may vary according to vehicle type.



REDUCED FUEL CONSUMPTION THROUGH INJECTOR CLEANING* HAS BEEN PROVEN WITH VEHICLE TESTING

A test program showed a **4.4% reduction in fuel consumption²** on a heavy-duty truck after 17,000 km using TOTAL fuel with a detergent power equal to TOTAL EXCELLIUM DIESEL for Professionals. This program was carried out in full by the UTAC-CERAM Group, a French body certified under the ISO 9001 international standard.

² Reduction in fuel consumption as compared to a fuel without specific additives measured at 4.4% after 17,000 km by UTAC-CERAM in May 2014 on a Euro 5 truck according to the protocol used to establish French TRA-EQ-19 Energy Savings Certificates. Results may vary according to vehicle type.





LOWER OPERATING COSTS*

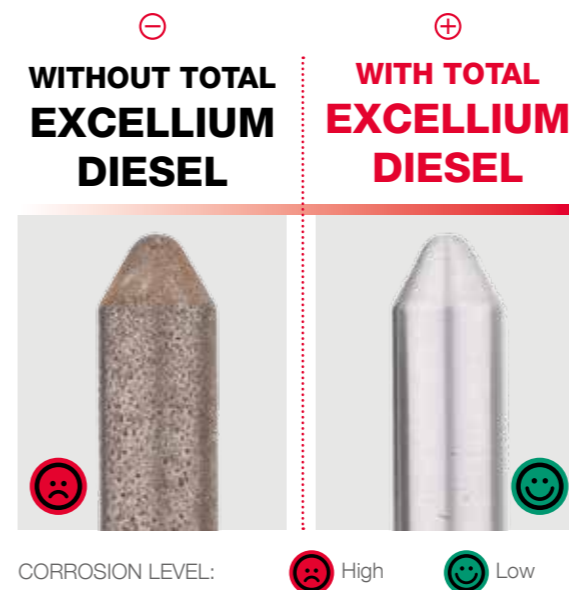
By eliminating deposits, TOTAL EXCELLIUM DIESEL for Professionals fuel helps your engines give their best performance over the long term.



EXCEPTIONAL PROTECTION FOR YOUR ENGINES*

PROVEN EFFECTIVENESS AGAINST CORROSION

Developed and tested on fuels distributed on the African continent.



TOTAL EXCELLIUM DIESEL for Professionals **protects metal parts against corrosion** caused by the presence of water and helps prevent rusting.

Injection systems are increasingly sensitive and require correspondingly stricter filtration devices. TOTAL EXCELLIUM DIESEL for Professionals enables **protecting the diesel fuel filter against premature dirt accumulation**.

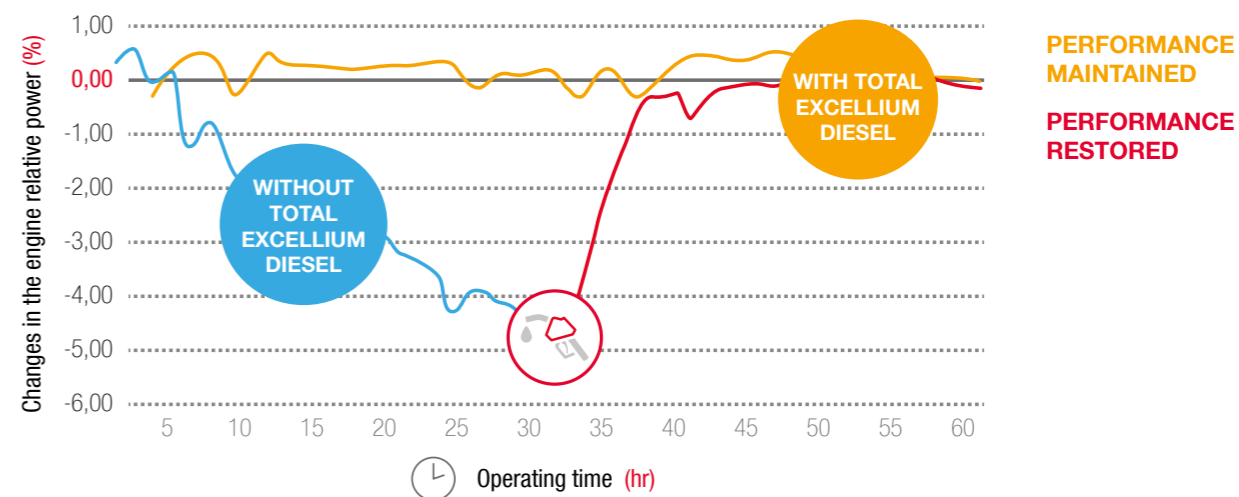
In this way, TOTAL EXCELLIUM DIESEL for Professionals reduces wear on your engines.

MAINTENANCE OF ENGINE PERFORMANCE*

TOTAL EXCELLIUM DIESEL for Professionals maintains engine power over the long term **because it protects injectors from all types of deposits.**

Using it can, for example, restore engine power in just five hours¹.

¹ As compared to a fuel without specific additives; bench test carried out in February 2015 on a direct injection engine using the CEC F-98-08 reference method. Results may vary according to engine type.





LESS ENVIRONMENTAL IMPACT (POLLUTING EMISSIONS AND CO₂)*

By ensuring better operation throughout the engine lifespan, **TOTAL EXCELLIUM DIESEL for Professionals** contributes to **reducing polluting emissions**. In addition, less fuel consumption leads to a direct reduction in CO₂ emissions.



ADDITIONAL BENEFITS

FUEL THAT NEEDS NO SUPPLEMENTARY ADDITIVES:

its complete formula enables **eliminating risk linked to the use of handling additive cans** and overdosing the additive (which can harm the engine and lead to higher costs).

COMPATIBLE WITH ALL DIESEL ENGINES:

TOTAL EXCELLIUM DIESEL for Professionals contains an **exclusive formula developed by Total** that will not modify the characteristics of diesel fuel.

PROTECTION OF STORAGE INSTALLATIONS:

reinforced protection against the build-up of rust and sediments in storage tanks.

QUICK AND COMPLETE FUEL TANK FILLING:

TOTAL EXCELLIUM DIESEL for Professionals lets you **fill your vehicle's tank more easily and quickly by limiting fuel foam**.

TOTAL EXCELLIUM DIESEL FOR PROFESSIONALS AND TOTAL RUBIA FUEL ECO (FE) LUBRICANTS: GREATER CUSTOMER BENEFITS

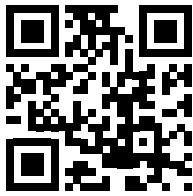


IN ADDITION TO TOTAL EXCELLIUM DIESEL FOR PROFESSIONALS, TOTAL PROPOSES TOTAL RUBIA FE RANGE OF LUBRICANTS DESIGNED FOR PROFESSIONALS.

Specially designed for engines operating under the most extreme conditions, it ensures:

- **Fuel savings**
According to tests made by an independent laboratory and under operational conditions, products from TOTAL RUBIA FE range enable saving fuel up to 3% as compared to a non-FE equivalent lubricant.
- **Detergent power, clean pistons and rust resistance**
As shown by testing, products from TOTAL RUBIA FE range prevent build-up on pistons and are more resistant than standard lubricants.
- **Optimal engine protection, even under the most extreme conditions**
Anti-wear performance stemming from a very stable operating viscosity ensures optimal protection for engine elements.

The combined use of TOTAL EXCELLIUM DIESEL for Professionals and TOTAL RUBIA FE lubricants offers customers more benefits by reducing operating costs without sacrificing engine performance.



For more information:
www.total.com

The fuel that cleans your engine km after km

