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GP-Diesel



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Main Features

GP-Diesel has a very high special diesel fuel cetane number, thereby reducing the ignition delay, with positive effects on consumption and emissions.

Promotes the oxidation of the precursors of unburnables and soot.

Reduces deposits in the fuel system and optimizes the pulverizing of fuel in the spray.

It reduces friction inside the engine and in particular between cylinder and piston.

Reduces corrosion and wear of metal parts.

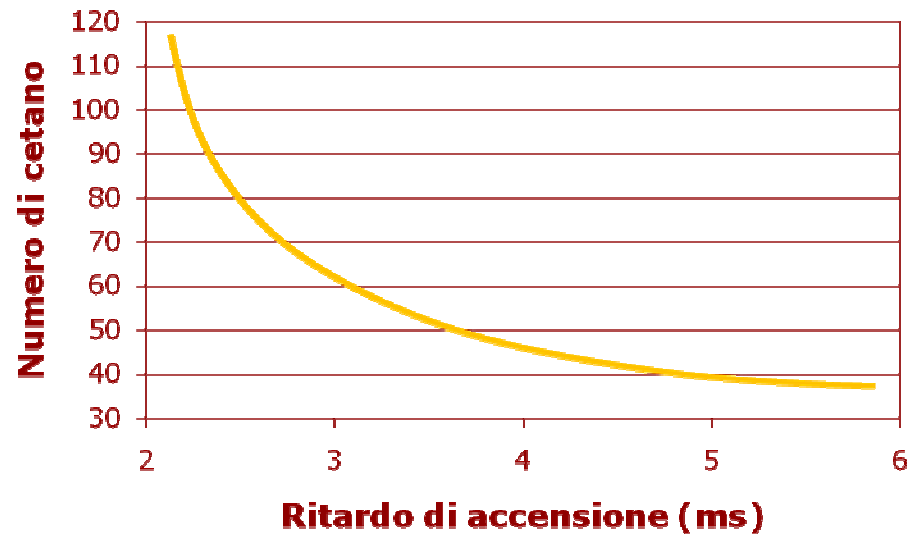


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Increase in Cetane Number

The delay of gas ignition after injection is a very important factor for efficient combustion in diesel engines.



Consumption, emissions, smoke, and noise are all directly related to the efficiency of diesel oil combustion



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The Combustion Catalyst

The GP-Diesel oil has a catalytic activity that allows a better and more complete combustion of fuel.

The main results are:

- reduction of pollutant emission particularly with ultrafine solid particles;
- lower fuel consumption.





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Cleaning Function

Necessary to prevent the narrowing of the injector flow section because the worst fuel spray can determine:

- ✓ Less combustion efficiency
- ✓ Increase in unburnables
- ✓ Increased emissions of other pollutants
- ✓ Increased noise
- ✓ Reduction of power output

Iniettore sporco



Iniettore pulito





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Cleaning Function

GP-Diesel has a double cleaning function:

- ❖ Cleaning (clean-up)
- ❖ Maintenance (keep clean)

Therefore, GP-Diesel proves efficient even in cases where deposits are already present in the system.

It allows the return to the ideal conditions for the introduction of fuel into the combustion chamber.

Maintains these conditions and their benefits over time.

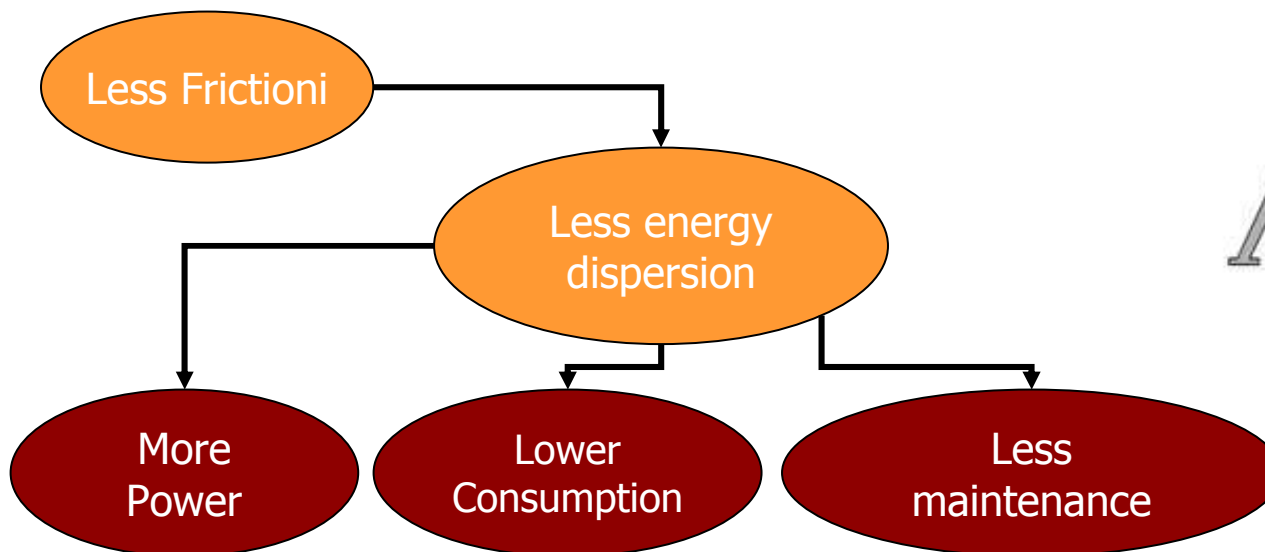
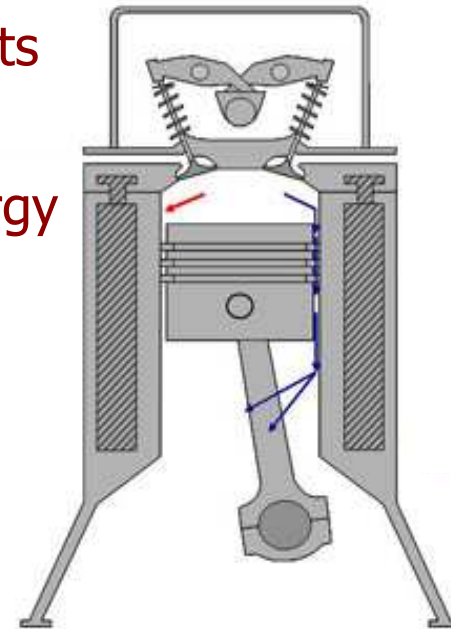


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Friction Reduction

- ❖ The GP-Diesel "Friction Modifier" action limits the friction between cylinder and piston
- ❖ Creates long-term benefits due to the synergy generated by the engine oil





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Protection from Corrosion

The anti-corrosive protection is aimed at protecting the engine and parts subject to corrosion

Also offers protection against:

- ❖ Storage tanks
- ❖ Means of transportation
- ❖ Distribution Systems



Regular Oil



Special
GP Oil



Regular Oil



Special
GP Oil

DISTILLED WATER

SYNTHETIC SEA WATER



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Benefits of Special GP-Diesel

Lower Consumption

Reduction of particulate emissions

Reduction of CO, NOx emissions and unburned hydrocarbons

Maintenance reduction

Reduction of engine noise

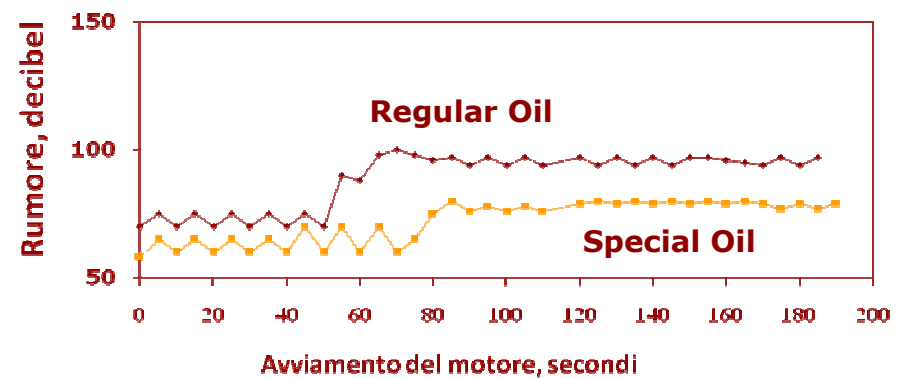
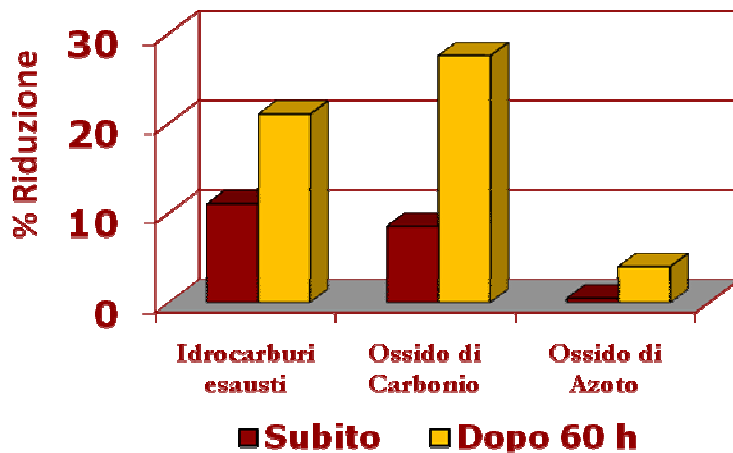
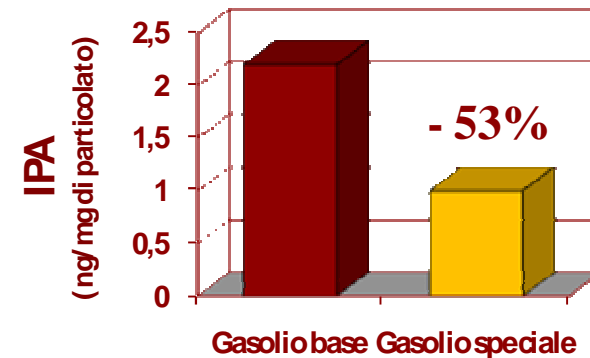


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Environmental Benefits

<u>Total Unburned Hydrocarbons</u>	- 20 %
<u>Carcinogenic Compounds (IPA)</u>	- 62 %
<u>Thin Dust</u>	- 25 %
<u>Carbon Monoxide</u>	- 33 %
<u>Nitrogen Oxides</u>	- 12 %
<u>Combustion Noise</u>	- 6 %





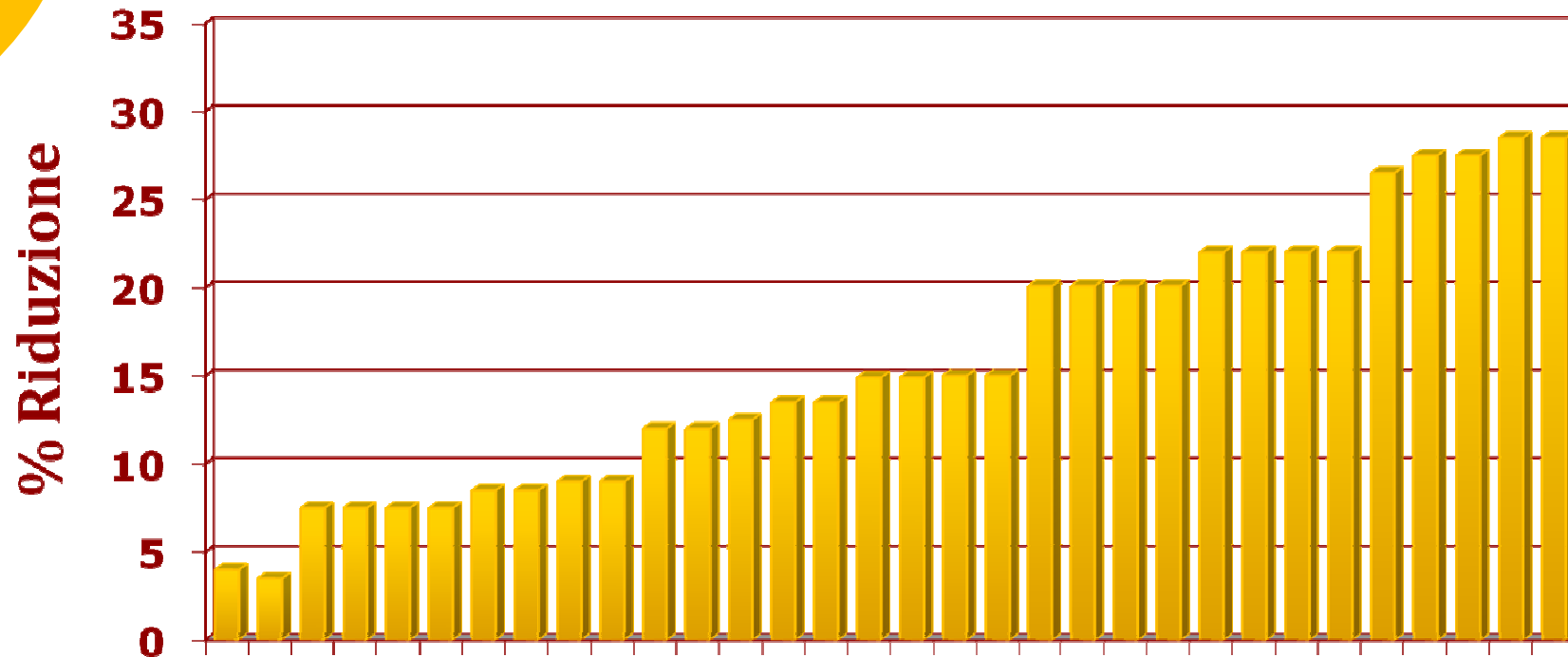
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Particulate Emissions Reduction

Appreciable reduction on a variety of automobiles

Average reduction between 15 and 20%



Ogni Barra Rappresenta un Tipo di Veicolo



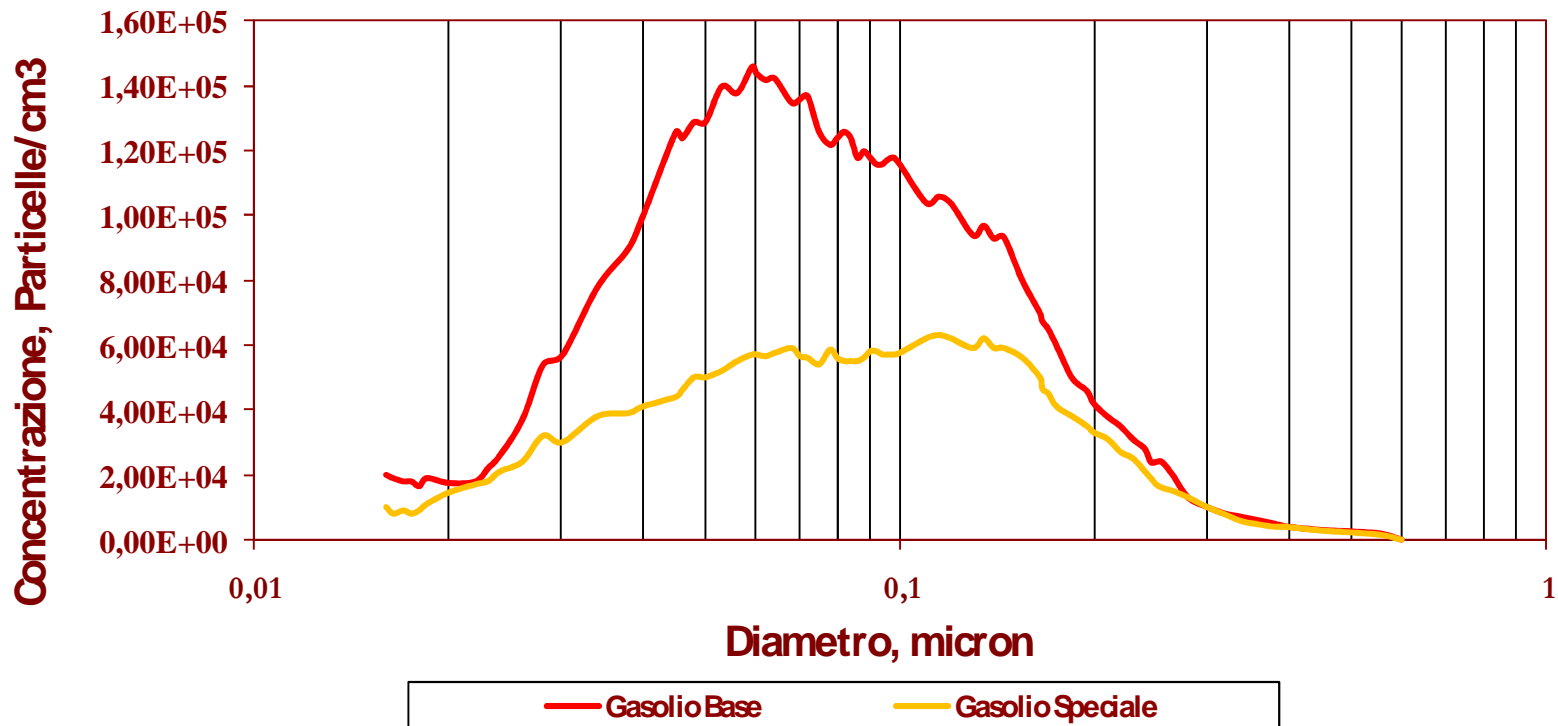
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Ultra-Fine Particulate

The particulate reduction is a broad spectrum

The ultra-fine particulates are also drastically reduced

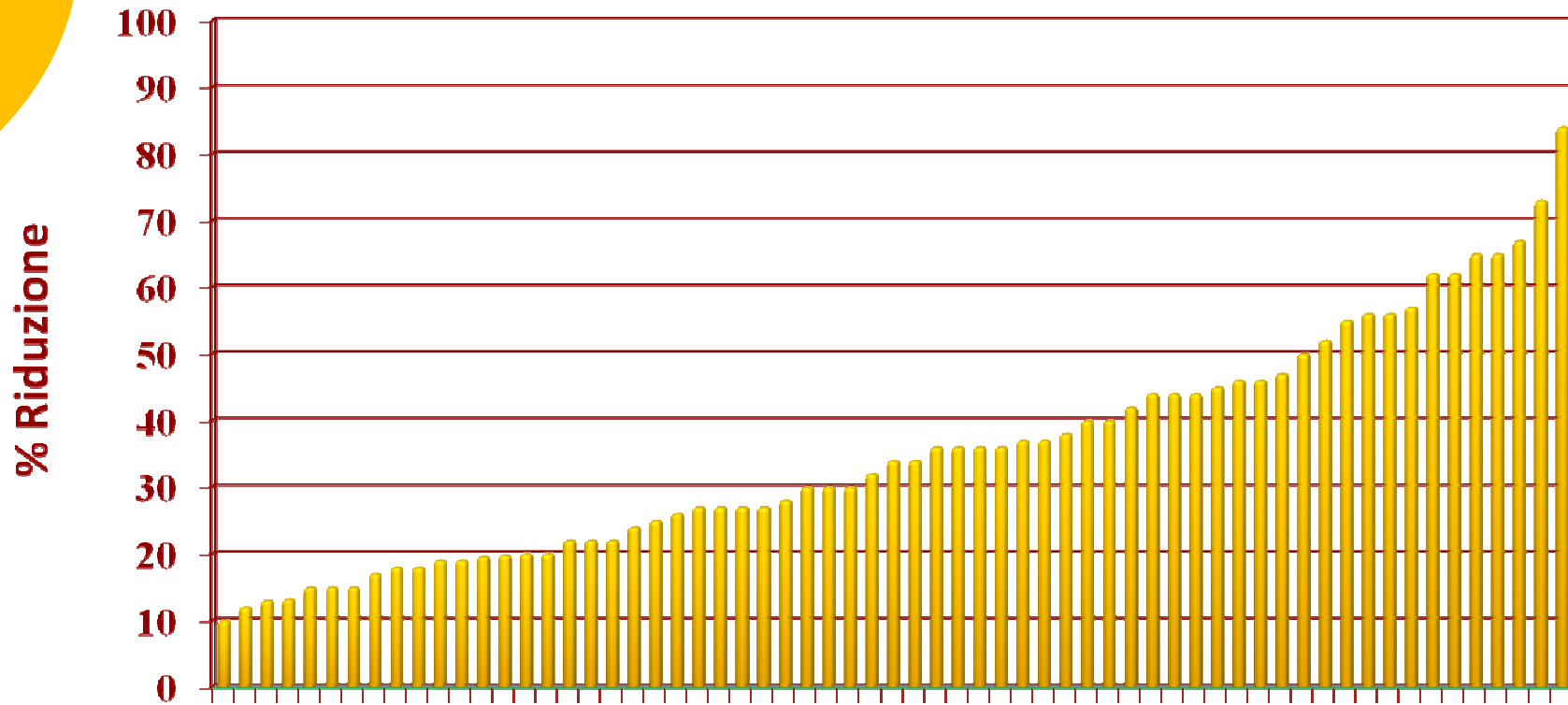




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Reduction of Black Smoke Free acceleration method



Ogni Barra rappresenta un Tipo di Veicolo



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Reduction in Consumption

Road test compared with standard diesel oil

Engine types tested:

- Diesel with traditional pump
- Turbodiesel with traditional pump
- Common Rail
- Injector/pump groups



Results:

Consumption reduction between

3,3% and 8,8%

Average reduction equivalent to **5%**