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we move the energy.

## HQ300

This is a multi-purpose additive for use with automotive diesel oils.

It is added in the loading arm. When diesel oils comply with specifications, this product endows them with a performance in laboratory and engine bench tests which, according to the results obtained in the evaluation tests performed at the CLH Laboratory and at other collaborating centers, is equal to or surpasses the demands imposed by the principal bodies and professional associations on this matter. Its properties can be summarized as follows:

- It improves the ignition quality of the diesel (**typical increase in the cetane number of around 0,8**).
- It keeps the injectors clean (**maximum loss of flow below 70% in the CEC F-23-A-01, Peugeot XUD-9 A/L test and maximum loss of power of 2% in the CEC F98-08, DW-10**).
- It protects the engine's feed system from corrosion (**A/B++ merit in the ASTM D 665A test**).
- It reduces the tendency to form foam (**disappears in less than 15 seconds in the NF 07-075 test**) and, as a result, splashes during refueling, making it easier to fill the tank right up and reducing operational time at service stations.

The improvement in ignition quality, cleanliness of the injectors, the absence of corrosion and good maintenance of the injection pumps lead to positive effects in terms of fuel economy, the reduction of noise and pollutants, ease of start-up, cold starting and on driving smoothness.

In the tests carried out, no secondary effects that affect the quality of the diesel oil were detected. The **HQ300** additive also fulfills the requirements laid down in Ministerial Orders OM PRE / 1724 / 2002 dated 5 July 2002 (**Official Gazette of the Spanish State dated 10 July 2002**) and OM PRE / 3493 / 2004 dated 22 October 2004 (**Official Gazette of the Spanish State dated 29 October 2004**) on non-interference with colouring matter and marker agents in subsidized fuels.

## HQ400

This is a multi-purpose additive developed for use in automotive petrol.

It is added in the load arm. When petrol comply with specifications, this additive endows them with a performance in bench tests which, according to the results obtained in the evaluation tests, is equal to or surpasses the demands imposed by the principal bodies and professional associations on this matter. Its properties can be summarized as follows:

- It prevents the formation of deposits on the inlet valves (**maximum accumulation of deposits – average for the four valves: 30 mg/valve in the M-102E, CEC F-05-A-93 and M-111, CEC F-20-A-98 test**). This level of cleanness is achieved both in ethanol-free gasoline and in those containing ethanol in a proportion of up to 10% v/v.
- It keeps the injectors clean (**maximum loss of flow lower than 4% in the IFP TAE-1-87 test, Peugeot 205-GTI**).
- It helps keep the injectors clean in direct-injection gasoline engines.

Improvement in the cleanliness of the engine's intake systems leads to positive effects in terms of fuel savings, reduction of pollutants, ease of start-up and on driving smoothness. In the tests carried out, no secondary effects that affect the quality of the petrol were detected, aligned with the requirements of WWFC (Worldwide Fuel Charter).

The **HQ400 additive** also fulfills the requirements laid down in the Order OM PRE/1724/2002, dated 5 July 2002 (**Official Gazette of the Spanish State dated 10 July 2002**), and OM PRE/3493/2004, dated 22 October 2004 (**Official Gazette of the Spanish State dated 29 October 2004**), on non-interference with colouring matter and marker agents in subsidized fuels.