



# IP Sintiax Exclusive 505

Fully synthetic lubricating oil for gasoline and diesel high performance, multi-valve, supercharged, turbocharged, direct injection, operating under the most severe operating conditions that require oils with low ash deposits.

**IP Sintiax Exclusive 505** SAE 5W/40 is formulated with synthetic base oils that have selected the best features of the natural qualities than conventional mineral base oils, have a high IV (Index Viscosity - Viscosity-temperature relationship) a reduced tendency to coking, a very low pour point, high resistance to oxidation at high temperatures and high chemical resistance.

Synthetic base is added to a modern additive package, able to give the product the highest quality standards available today, ensuring a high level of protection and performance of the engine and exhaust after-treatment of exhaust gases.

## CHARACTERISTICS (TYPICAL FIGURES)

### SINTIAX EXCLUSIVE 505

| <u>SAE Grade</u>        | <u>5W-40</u> |                    |       |
|-------------------------|--------------|--------------------|-------|
| Mass Density at 15°C    | ASTM D 4052  | kg/l               | 0.859 |
| Viscosity at 100°C      | ASTM D 445   | mm <sup>2</sup> /s | 14    |
| Viscosity at 40°C       | ASTM D 445   | mm <sup>2</sup> /s | 90    |
| Viscosity at -30°C      | ASTM D 5293  | mPa·s              | 6400  |
| Viscosity Index         | ASTM D 2270  | -                  | 160   |
| Flash Point COC         | ASTM D 92    | °C                 | 234   |
| Pour Point              | ASTM D 97    | °C                 | -30   |
| Sulfated ash            | ASTM D 874   | %p.                | 0,8   |
| Total Base Number (TBN) | ASTM D 2896  | mg KOH/g           | 6,5   |

## PROPERTIES AND PERFORMANCE

- L 'exceptional protection against wear and maximum cleaning the inside, avoiding the formation of sludge and deposits on critical engine parts and help prolong the life and engine efficiency.
- Quick-lubrication for high flow cold. The oil circulates inside the engine to ensure fast, effective protection and optimal lubrication during the most critical and delicate phase of goodwill, that are experiencing the greatest wear.
- Easy-start at low temperatures (SAE 5W) even in the coldest winter weather conditions (-30 ° C).
- Maximum-security hot (high viscosity index) protects equally well when the temperature of the engine increases, behaving like an oil with SAE 40 viscosity adjusting.
- Reduced emissions and exhaust smoke for longer life of the catalytic converter.
- Significantly reduces fuel consumption "Fuel Economy Performance".
- The low viscosity, rapid oil circulation at start and low coefficient of friction, effectively contribute to the reduction in fuel consumption.
- The low-volatility synthetic bases, thus reducing oil consumption.
- Improved power delivery.
- For the high-oxidation resistance, allows a long term of office in operation, with the ability to meet the longer oil change intervals, required by the manufacturers of cars today.
- The low-ash, phosphorus and sulfur (Technology: Low SAPS - sulfated ash, Phosphorus Sulfur-Low sulfated ash content, phosphorus, sulfur) reduces to a minimum deposit of ashes, avoiding the clogging of the filter particles, helping to prolong life and to maintain high efficiency of catalysts, it is fully compatible with active diesel particulate filters and other exhaust after-treatment of exhaust gases.



- Widely-Exceeds all requirements and engine tests prescribed by the major manufacturers of cars on the world market.

## APPLICATIONS

The **IP Sintiax Exclusive 505** SAE 5W/40 is recommended and approved for use in all types of domestic and foreign cars of any brand, equipped with:

- Gasoline-powered engines, direct injection, with multi-valve and / or turbo included
- Supercharged diesel engine with direct injection (with "common rail", "pump injector") with long intervals between oil changes / maintenance (with intervals of replacement electronic control) with or without particulate filter systems (FAP / DPF).
- Engines with GPL or methane.

## SPECIFICATIONS

Meets the stringent specifications required by the API, and recent (American Petroleum Institute), is classified:

- SN API for use in gasoline engines.
- API CF for use in diesel cycle engines.

Exceeds the new specifications issued by the ACEA (European Automobile Manufacturers Association):

- ACEA10 C3 petrol and diesel engines equipped with exhaust after-treatment to reduce emissions.

Exceeds the specifications of the following vehicle manufacturers:

- MB 229.51
- VW 502.00/505.00/505.01
- BMW LL-04
- PORSCHE A40

The manufacturing and packaging and marketing of lubricants api - anonima petroli italiana SpA working with the Quality System conforms to the standard: UNI EN ISO 9001: 2008 certified by Bureau Veritas .

The information contained in this data sheet shall be written to the best of knowledge of the supplier at the time of the review.

They are purely informational and technological require proper use of the product. Do not bind the company's liability for any damage resulting from the use of incorrect product. The user has the obligation to evaluate and use the product described above, securely and in accordance with all applicable laws and / or regulations.

This product should not be used in applications other than as provided in this sheet.

Based on available information, this product has no harmful effects to health when used for its intended use and following the information / recommendations described in "Material Safety Data Sheet" available at our premises. Sales Network.

Dispose of exhausted and empty packaging in accordance with the law.