



# IP Tarus Turbo Extra

**IP Tarus Turbo Extra** is a long-drain multigrade oil (S.H.P.D.) of the latest generation for supercharged diesel engines operating under severe duty, notably those of recent technology ("EURO 4") according to engine manufacturer specifications. The oil can also be used in normally-aspirated diesel engines installed in vehicles engaged on urban and short-haul goods and passenger service, providing a very wide quality margin.

**IP Tarus Turbo Extra** meets ACEA E5, E3 specification but not ACEA E4.

## CHARACTERISTICS (TYPICAL FIGURES)

SAE Grade			15W/40	20W/50
Mass Density at 15°C	ASTM D 4052	kg/l	0.875	0.880
Viscosity at 100°C	ASTM D 445	mm <sup>2</sup> /s	15.1	19
Viscosity at 40°C	ASTM D 445	mm <sup>2</sup> /s	110	130
Viscosity Index	ASTM D 2270	-	147	145
Flash Point COC	ASTM D 92	°C	246	248
Pour Point	ASTM D 97	°C	-27	-27
TBN	ASTM D 2896	mg KOH/g	10	10

## PROPERTIES AND PERFORMANCE

The superior quality of the base stock used and the large percentage of additives adopted permit very long life between oil drains. Some manufacturers allow to double the normal oil-service periods when **IP Tarus Turbo Extra** is used under certain service conditions in their engines.

The multigrade properties of this oil make it suitable for use in virtually all ambient temperature conditions.

Its detergent-dispersant properties are confirmed by the compliance with the severe requirements of ACEA E5 and API CH-4 specifications. Pistons are kept exceptionally clean while solid combustion products are held in suspension, thus preventing the formation of harmful deposits.

The product exhibits marked resistance to deterioration, especially from oxidation which can be caused by prolonged high-temperature operation in the presence of air and other agents.

Its antioxidant, antirust and antiwear properties are designed for heavy duty service and to ensure very long oil-drain intervals. Oxidation is effectively minimized, thus preventing viscosity variations. All the metal parts of the engine are protected in this way and wear is reduced, ensuring maximum engine efficiency throughout its life.

## SPECIFICATIONS

**IP Tarus Turbo Extra** meets the requirements of the following services and specifications:

- ACEA E5, E7, A3/B4
- API CH-4, CI-4
- MAN M 3275
- MERCEDES-BENZ 228.3/229.1
- MTU Type 2
- VOLVO VDS-3
- MACK EO-M Plus
- CUMMINS CES 20071/ 2/ 6/ 7/ 8
- CAT ECF-1/ECF-1a
- RVI RLD/RLD-2



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.