

# ENGINE OILS

## **HiTEC® 11600**

**Passenger Car Engine Oil Additive Package**



Premium Tier Full SAPS Additive Technology Fulfilling  
ACEA A3/B4, API SP and OEM Requirements



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### Key Performance Benefits

HiTEC® 11600 delivers strong engine protection and efficient engine operation, performing beyond ACEA 2023, API SP, and European OEM specifications. HiTEC® 11600 meets the car parc needs and engine hardware changes across Europe, Asia Pacific, Africa, and Middle East. Europe, where vehicles are being kept on the road for longer, and China where the penetration of GDI and TGDI engines grows rapidly, are the main target markets for this additive generation. The key performance benefits that make HiTEC® 11600 the right choice are:

- Outstanding performance against wear, matching the needs of higher mileage vehicles
- Minimises sludge build up and deposits, contributing to efficient engine operation
- Reduces oil oxidation, keeping engine parts lubricated for longer
- Protects against Low Speed Pre-Ignition, preventing damage to GDI/TGDI engines and providing a comfortable ride experience

HiTEC® 11600 also offers a lower treat cost effective solution where ACEA 2023 compliance is needed but no European OEMs coverage is required.

### Typical Characteristics

Appearance	Brown Viscous Liquid
Density @ 15°C, g/ml	0.968
Flash Point, °C (PMCC)	135 min.
Viscosity @ 100°C, mm²/s	173
Total Base Number, mg KOH/g	90

### Profile

	ACEA A3/B3	ACEA A3/B4	ACEA A5/B5	API SL	API SP	MB 229.3	MB 229.5	MB 226.5	PSA B71 2296+2014	PSA B71 2300	BMW 0710/0700	VW 501 01/505.00	VW 502-00/505.00
<b>HiTEC® 11600</b>	<b>Approvals</b>												
SAE 5W-30	●	●	●	○	●	●	●			●		●	
SAE 5W-30		●	●	○						●			
SAE 5W-40	●	●			●	●	●			●		●	
SAE 5W-40	●	●			●	●	●	● SFU		●		●	
SAE 10W-30	●	●	●	○	●								
SAE 10W-40 (EHC 120)	●	●			●	●	●	●	●	●	●		
SAE 10W-40 (EHC 110)	●	●			●	●						●	

- Specification requirements met ○ API SP capable but not licensable (phosphorus limit)  
 ● Previous approval has now expired ● SFU: Suitable for use

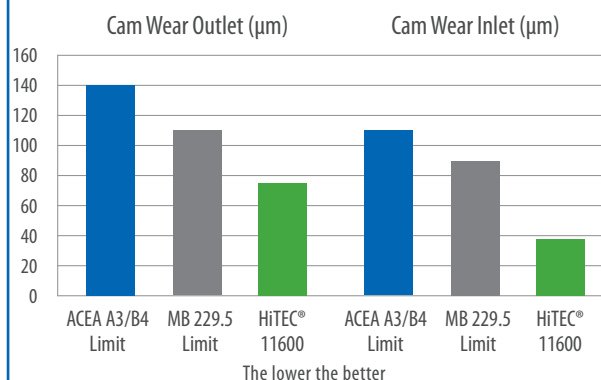
Base Oil Coverage: Yubase Group III, ExxonMobil EHC Group II / Viscosity Modifier: HiTEC® 5748 OCP

### Handling Information

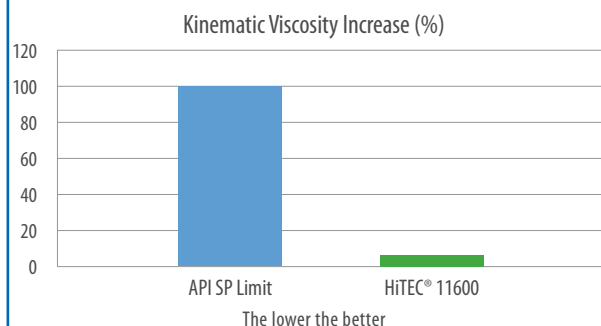
Maximum Handling Temperature : 10-40°C

Shelf Life: 24 months at ambient temperature

### Excellent Wear Protection Demonstrated in OM646LA Engine Tests



### Excellent Oxidation Protection Demonstrated in Sequence IIH Engine Tests



### Excellent Low-Speed Pre-Ignition (LSPI) Protection Demonstrated in MB LSPI Engine Tests

