

# ENGINE OILS

## HiTEC<sup>®</sup> 9490

Passenger Car Engine Oil Additive Package



Full SAPS Additive Technology, meeting the requirements of ACEA A3/B4, API SN and major OEM specifications

The Right Move to **Quality and Efficiency**



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### Key Performance Benefits

HiTEC® 9490 is the right move if you want to deliver **Quality** and **Efficiency** in your normal SAPS passenger car lubricant portfolio. It delivers efficiency through a simple cascadable formulation and a core viscosity modifier that enables flexibility to blend a range of final oils. It delivers quality through its key performance benefits that have been demonstrated through field trials and engine testing:

- Outstanding wear protection, contributing to engine durability
- Sludge prevention and turbo charge deposits, contributing to efficient engine operation
- Oxidation reduction, contributing to keep engine parts lubricated for longer

Upgraded to ACEA 2023 and recent OEM specifications, using the same or optimised formulations, componentry or treat rates; HiTEC® 9490 has also demonstrated its relevance to modern turbocharged direct injection engines and to the growing use of biofuels.

HiTEC® 9490 simple cascade addresses the large 5W-XX market and provides cost-effective 10W-40 and Group II solutions for older gasoline and diesel vehicles (no DPF).

### Typical Characteristics

Appearance:	Dark Brown Hazy Liquid
Density at 15°C, g/ml:	0.974
Flash Point, °C (PMCC):	135 min.
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s:	180
Total Base Number, mg KOH/g:	81

### Profile and Recommended Dosage

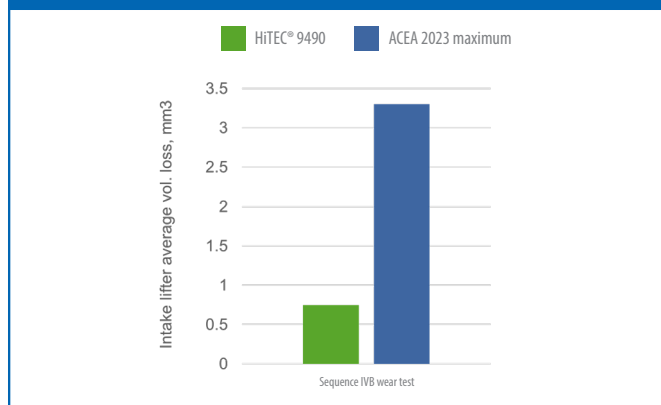
		ACEA A1/B1 - 12	ACEA A3/B3 - 16	ACEA A3/B4 - 21	ACEA A3/B5 - 21	API SL/CF	API SN/CF	MB 226.5	MB 229.1	MB 229.3	Opel GM-LL-A-025	Opel GM-LL-B-025	Porsche A40	P-SA B71 2300	Renault RN 0710/0700	VW 501.01/505.00	VW 502.00/505.00
12.6%	5W-20	□			●	●											
12.6%	5W-30	□	□	●	●		●		●	□	□			●		●	
12.6%	5W-40		□	●		●	●		●	□	□	●		●		●	
12.6%	10W-40		□	●		●	●	□	●				●	●	●	□	
12.6%	15W-40			●		●									●		
12.6%	20W-50			●		●									●		
10.5%	10W-30	□			●			□									
10.5%	10W-40	□			●			□								□	
10.5%	15W-40	□			●			□									
10.5%	20W-40	□			●			□									
10.5%	20W-50	□			●			□									

□ Previous claim. Opel GM-LL-A/B-025 are obsolete as of the end of 2012. VW 502.00/505.00 is not awarded by VW to SAE 10W-40 as of 2016.

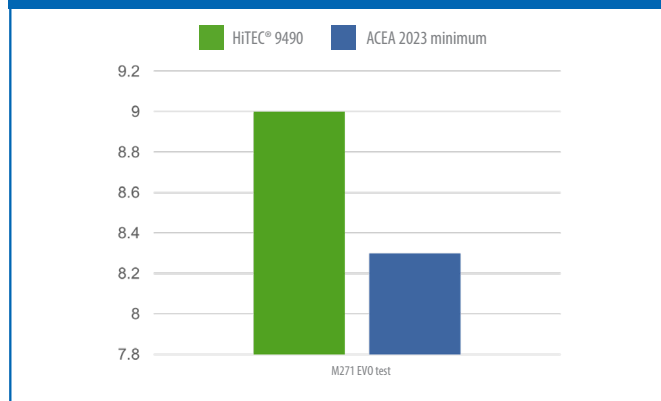
Coverage includes: Yubase Group III, Nexbase Group III, Chevron Group II, ExxonMobil EHC Group II, and mixed Chevron Group II/Group III (Yubase or Nexbase).

Specific claims vary by formulation.

### Outstanding protection against multiple wear mechanisms



### Sludge prevention demonstrated in the latest engine tests



### Handling Information

Max handling temperature: 60°C

Shelf Life: 24 months at ambient temperature