

# ENGINE OILS

## HiTEC<sup>®</sup> 9450

Passenger Car Engine Oil Additive Package



Reduced SAPs Top Tier Additive Technology, meeting the requirements of ACEA 2021 specifications



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### Key Performance Benefits

HiTEC® 9450 engine oil additive is specially designed for use in catalyst compatible oils. These particular oils are used in light duty vehicles fitted with after-treatment systems, gasoline catalytic converter, and diesel particulate filter technology.

Upgraded to ACEA 2021 and MB 229.31 (V2019.1), with no changes needed to formulations, componentry or treat rates; HiTEC® 9450 has demonstrated its future proof credentials being able to meet the new ACEA C5 specification.

The two key performance benefits from HiTEC® 9450

- **Strong Fuel Economy Performance:** HiTEC® 9450 meets ACEA C5
- **Excellent Engine Durability:** HiTEC® 9450 delivers reserve performance in 3 key areas needed for durability; wear protection, sludge control and engine cleanliness.

HiTEC® 9450 specification coverage fits the needs of independent workshops and end users looking for a cost-effective engine oil for out of warranty vehicles. With a growing diesel vehicle parc now outside of warranty, HiTEC® 9450 is the right additive technology offering engine durability relevant to workshops and fuel economy relevant to consumers.

HiTEC® 9450 also fits the needs of in-warranty engine oils when a OEM workshop uses an ACEA standard oil as an alternative, following OEM handbook recommendations.

### Recommended Dosage

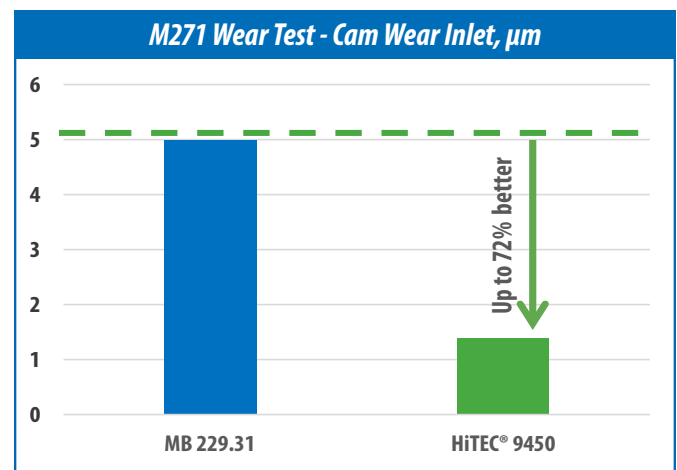
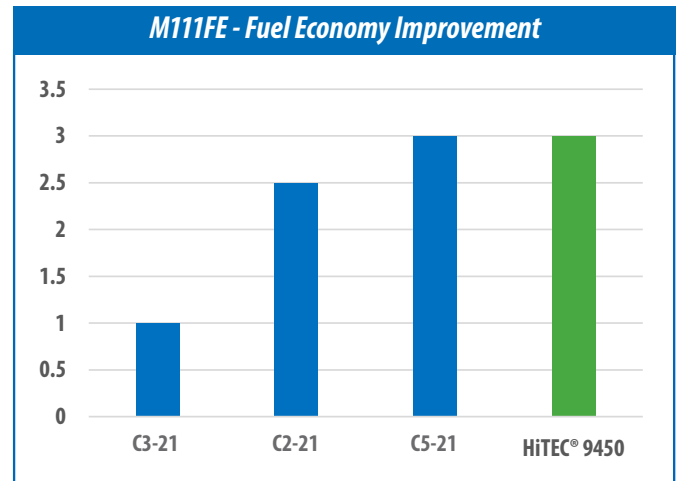
The recommended treat-rate for HiTEC® 9450 is 12.40% wt. for ACEA C5/C3/C2-21, API SN and MB 229.31.

### Typical Characteristics

Appearance:	Brown Viscous Liquid
Density at 15°C, g/ml:	0.954
Flash Point, °C (PMCC):	135 min.
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s:	144
Total Base Number, mg KOH/g:	62

### Handling Information

Recommended Storage and Handling Temperature: 55-60°C  
 Maximum Blending and Handling Temperature: 65°C  
 Maximum Long Term Storage Temperature: 60°C  
 Shelf Life, 24 months at ambient (10-40°C)



HiTEC® 9450	Approvals					
	API SN	ACEA C5-21	ACEA C3-21	ACEA C2-21	ACEA C2	MB 229.31
12.4%	SAE 0W-20	Grp III	●	●		
12.4%	SAE 0W-20	Grp III	●		●	
12.4%	SAE 5W-20	Grp III	●		●	
12.4%	SAE 5W-30	Grp III	●	●	●	●

- \* Hyundai diesel cars with DPF using an SAE 5W-30 engine oil requiring ACEA C2/C3
- \* Kia diesel cars with DPF requiring ACEA C2/C3 and API CH-4 or higher
- \* Subaru diesel requiring ACEA C2/C3
- \* Suzuki Grand Vitara (diesel) engines requiring ACEA C3 & Swift, SX-4 Classic, SX-4 Cross engines and Vitara requiring ACEA C2
- \* Toyota diesel engines with DPF requiring an SAE 5W-30 engine oil at the ACEA C2