

ENGINE OILS

HiTEC® 11410

Passenger Car Engine Oil Additive Package



Reduced SAPs Top Tier Additive Technology

ACEA 2023 C2/C3/C5/C6 and API SP



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Key Performance Benefits

HiTEC® 11410 engine oil additive is specially designed for use in catalyst compatible oils. These particular oils are used in light duty vehicles fitted with state of art engine technology including direct injection, turbochargers, timing chain system and after-treatment systems (gasoline/diesel catalytic converter, particulate filter technology).

HiTEC® 11410 offers the following key performance benefits

- Strong protection against wear whilst minimizing cost
- Control of low-speed pre-ignition events protecting TGD engines and maintaining comfortable ride experience
- Keeps the engine clean minimising oil oxidation and harmful sludge formation, maintaining engine efficiency
- Conserves oil viscosity, maintaining adequate lubrication to the engine and delivers continued smooth engine operation
- Enhanced fuel economy performance with ACEA C6 qualification, the latest sequence introduced for oils with improved fuel economy

HiTEC® 11410 qualified against ACEA 2023 and API SP specification, fits the needs of independent workshops and end users looking for a cost effective engine oil that offers strong wear protection for out of warranty vehicles. With a growing passenger vehicle parc (both gasoline and diesel) outside of warranty, HiTEC® 11410 is the right additive technology offering engine durability, keeping the engine running smoothly, and targeted protection for TGD engines.

HiTEC® 11410 also fits the needs of in-warranty vehicles when an OEM workshop uses ACEA engine oil sequences following the OEM handbook recommendations.

Recommended Dosage

Please contact your Afton Chemical representative for specific formulation recommendations.

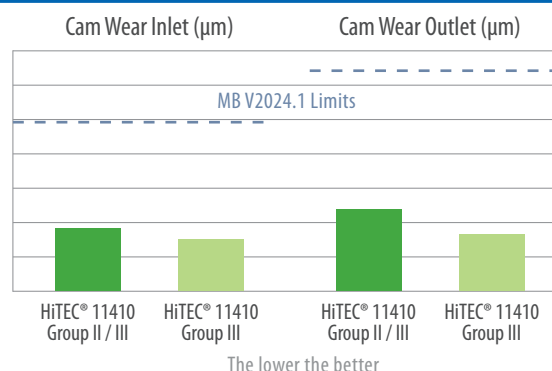
Typical Characteristics

Appearance	Brown Viscous Liquid
Density @ 15°C, g/ml	0.961
Flash Point, °C (PMCC)	135 min.
Viscosity @ 100°C, cSt	177
Total Base Number, mg KOH/g	77

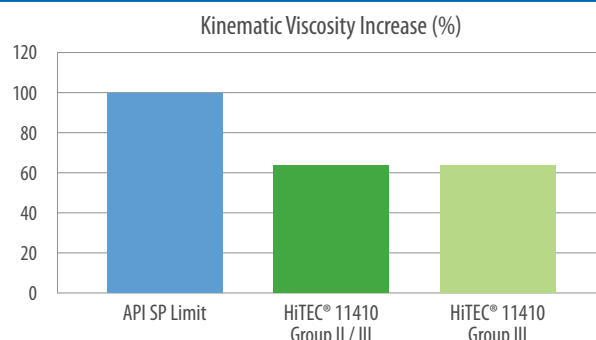
Handling Information

Recommended Storage & Handling Temperature: 10-40°C
Maximum Long Term Storage Temperature (<5 days): 70°C
Shelf Life @ 10-40°C: 24 months

Exceptional Wear Performance Demonstrated in OM646LA Engine Test



Excellent Oxidation Protection Demonstrated in Sequence IIH Engine Test



	API SP	ACEA C6-23	ACEA C5-23	ACEA C2-23	ACEA C3-23	MB 229.51 12090.1	MB 229.51 16024.1	MB 229.52 12024.1
HiTEC® 11410 Approvals								
SAE 0W-20 ^{1,2}	●	●	●					
SAE 0W-20 ^{1,2}	●			●				
SAE 5W-20 ^{1,2,3}	●			●				
SAE 5W-30 ^{1,2,3}	●			●				
SAE 5W-30 ¹	●			●	●	●	○	○
SAE 5W-30 ^{2,3}	●			●	●	●		
SAE 5W-40 ⁴	●				●			

● Completed

○ Pending

¹ Yubase Group III, HiTEC® 5748 OCP VM, HiTEC® 672 PPD.

² Ultra-S Group III, HiTEC® 5748 OCP VM, HiTEC® 672 PPD. SAE 0W-20 and SAE 5W-20 formulations pending upgrade to ACEA 2023.

³ Chevron Group II and Yubase / Ultra-S / ADNOC / NEXBASE Group III, HiTEC® 5748 OCP VM, HiTEC® 672 PPD.

⁴ Yubase Group III+, HiTEC® 5748 OCP VM, HiTEC® 672 PPD (option available with 10% ExxonMobil EHC Group II).