

ENGINE OILS

HiTEC[®] 11410

Passenger Car Engine Oil Additive Package



Reduced SAPs Top Tier Additive Technology

ACEA 2016 C2/C3/C5 and API SP



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Reduced SAPs Top Tier Additive Technology, ACEA 2016 C2/C3/C5 and API SP

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, turbocharges, chain timing system and after-treatment systems (gasoline/diesel catalytic converter, particulate filter technology). Performance reserved for latest and future emission regulation requirement.

HiTEC® 11410 provides strong protection in most vehicles on the road. Qualify against ACEA 2016 and API SP, HiTEC® 11410 has demonstrated its proof credentials being able to meet the new ACEA C5 specification and by being LSPI compliant, with its "TGDI" engine friendly capability obtained by meeting API SP claim.

The two key performance benefits from HiTEC® 11410

- **Strong Fuel Economy Performance:** HiTEC® 11410 meets ACEA C5, the latest sequence introduced for oils with enhanced fuel economy.
- **Excellent Engine Durability:** HiTEC® 11410 delivers reserve performance in 3 key areas needed for durability - wear protection, sludge control and engine cleanliness.

HiTEC® 11410 specification coverage fits the needs of independent workshops and end users looking for engine oil for out of warranty vehicles. With a growing passenger vehicle parc (both gasoline and diesel) now outside of warranty, HiTEC® 11410 is the right additive technology offering engine durability relevant to workshops and fuel economy relevant to consumers.

HiTEC® 11410 also fits the needs of in-warranty engine oils when an OEM workshop uses ACEA standard oil as an alternative, following OEM handbook recommendations.

Recommended Dosage

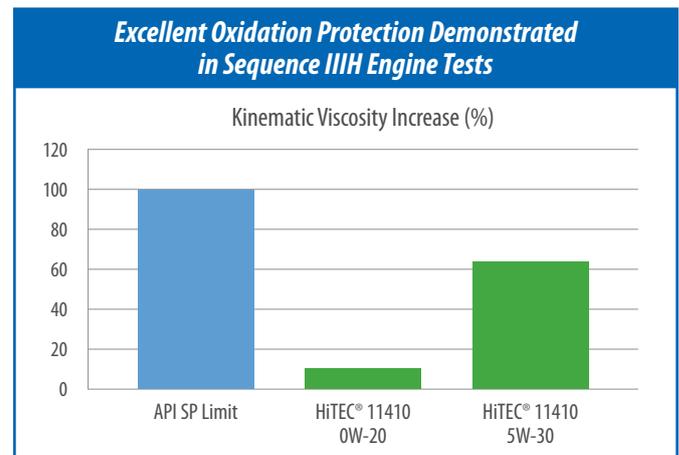
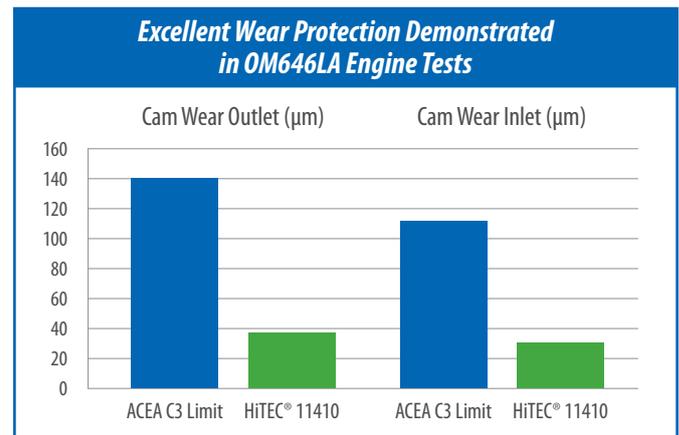
Please contact your Afton Chemical representative for specific formulation recommendations.

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



	API SP	ACEA C5-16	ACEA C2-16	ACEA C3-16	MB 229.31
HiTEC® 11410 Approvals					
SAE 0W-20	●	●			
SAE 0W-20	●		●		
SAE 5W-20	●		●		
SAE 5W-30	●			●	○
SAE 5W-30	●		●		

● Completed ○ Under development

Base oil coverage: Yubase Group III, HiTEC® 5748 OCP VM, HiTEC® 672 PPD