

ENGINE OILS

HiTEC® 9388X

Passenger Car Additive Package



Still Reassuringly Good Value



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Key Performance Benefits

HiTEC® 9388X is a cost-effective and field-proven engine oil performance additive for use in Passenger car applications meeting ACEA 2010 requirements and is “future-proofed” for ACEA 2012. It enables the lubricant blender to provide both value and reassurance to the end-user in this competitive economic mainstream sector for older vehicles.

Standard Profile: ACEA A3/B3/B4-10, API SL, MB 229.1

Through the use of a booster, HiTEC® 9552, an upgraded performance profile is also attainable.

Upgraded profile: ACEA A3/B3/B4-10, API SN, MB 229.1, Renault RN 0700

HiTEC® 9387X continues to be available for ACEA A3/B3-10, MB 229.1 performance level only.

To aid logistical flexibility to meet both ACEA categories cost-effectively, the performance of HiTEC® 9388X is also achieved using a booster approach, HiTEC® 9559, which is added to HiTEC® 9387X.

Reassurance

- HiTEC® 9388X is ready for ACEA 2010 and upgraded from over 7 years of field proven technology
- Provides confidence with Biodiesel, where field trial data demonstrates a significant advantage in piston cleanliness
- Delivers “future-proof” technology for ACEA 2012, meaning no further change required until at least 2015, minimising logistics and approval costs

Value

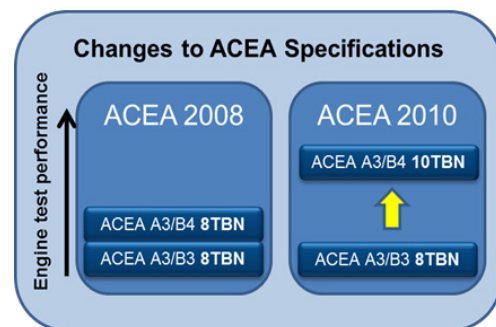
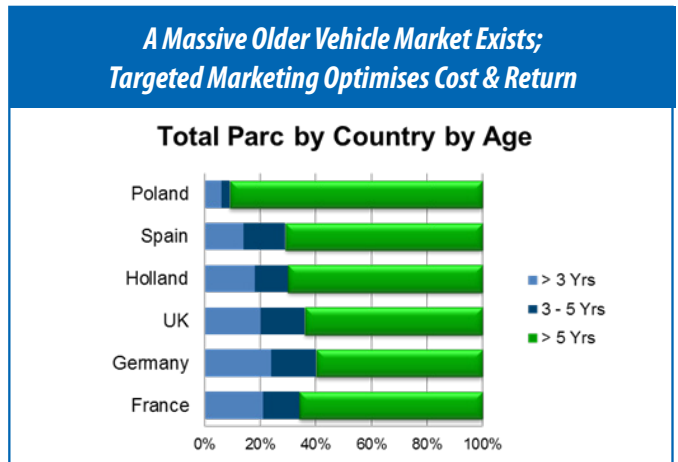
- Continues to deliver cost-effective options for both ACEA performance levels
- Targeted marketing optimises cost and return – avoids “cost give-away”
- Cost-effective formulation and logistical simplicity through widely-available components

Typical Characteristics

	HiTEC® 9388X	HiTEC® 9552	HiTEC® 9559
Appearance	Dark brown Viscous Liquid	Dark brown Viscous Liquid	Dark brown Viscous Liquid
Flash Point, °C (PMCC)	136 (min)	135 (min)	135 (min)
TBN, mg KOH/g	91.00	-	170
Viscosity, 100°C, cSt	96	25 (target)	26.5 (target)
Density at 15.0°C, g/ml	0.976	0.998 (target)	1.004 (target)

Positioning

HiTEC® 9388X continues to be the cost-effective additive solution for the significant older passenger car market in Europe.



ACEA A3/B3 provides the basic category for ALL gasoline and most older Diesel vehicles - **Best solution for the older vehicle mass market.**

ACEA A3/B4 provides a further performance upgrade for Direct Injection Diesel engines and covers ACEA A3/B3 requirements- **Best solution for markets where Diesel car parcs dominate.**

Recommended Dosage

The recommended treat rates are as follows:

Either:

HiTEC® 9388X – ACEA A3/B4-10 @ 11.2%

Or:

HiTEC® 9387X – ACEA A3/B3-10 @ 10.4%

+ HiTEC® 9559 Booster @ 1.1%

For API SN or RN0700, add HiTEC® 9552 booster @ 0.2%