

ENGINE OILS

HiTEC[®] 9300G Series

Engine Oil Additive Packages



Versatile Additive Family to Cover a Wide Range of Passenger Car and Heavy-duty Requirements

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Key Performance Benefits

In many markets around the world, API performance is the only reference used by oil marketers to indicate the performance of engine oils.

HiTEC® 9300G Series has been designed to deliver excellent performance in both passenger car and heavy duty API core requirements and broaden the spectrum of performance and logistics.

Performance

- Broad specification coverage from API SB/CB to API SL/CF-4
- Broadest viscosity grade coverage including the most severe SAE 10W-40
- Proven performance in a wide range of base oils
- Excellent balance between gasoline and diesel requirements
- All data demonstrated by engine testing allowing licensed API claims

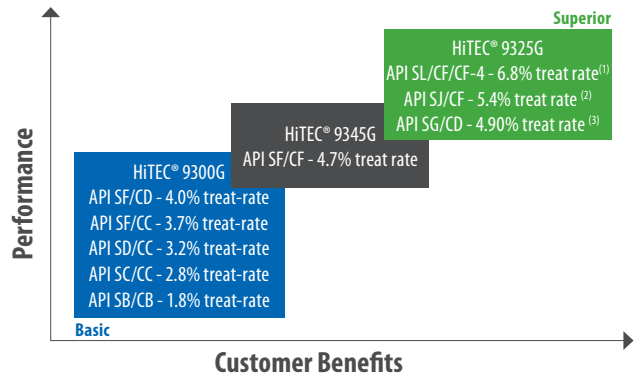
Logistics

- 2 core packages or 1 core package plus HiTEC® 9310G booster approaches to maximise logistic options
- HiTEC® 9345G or TBN booster available for optimized API CF performance
- Boosters available to cover JASO 4T clutch friction performance requirements

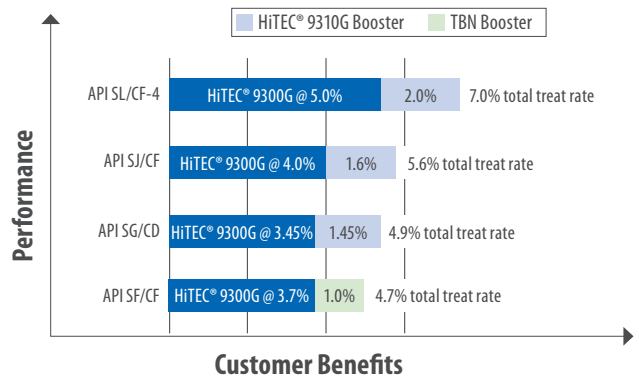
HiTEC® 9300G Series Broaden the Spectrum

Recommended Dosage

Core Package Approach



Booster Approach



- (1) Covers JASO MA or MB with the addition of HiTEC® 4716 additive at 0.8%
 (2) Covers JASO MA or MB with the addition of HiTEC® 4716 additive at 0.65%
 (3) Covers JASO MA with the addition of HiTEC® 1656 additive at 0.1%

Typical Characteristics

	HiTEC® 9300G	HiTEC® 9310G	HiTEC® 9325G	HiTEC® 9345G
Appearance	Dark brown hazy oily liquid	Dark brown oily liquid	Dark brown oily liquid	Brown hazy oily liquid
Density at 15°C, g/ml	1.033	0.936	0.998	1.044
Flash Point, °C (PMCC)	130 min.	130 min.	150 min.	130
Kinematic Viscosity at 100°C, mm ² /s	80	190	160	90
Total Base Number, mg KOH/g	135	43	112	170

Handling Information

	HiTEC® 9300G	HiTEC® 9310G	HiTEC® 9325G	HiTEC® 9345G
Max Handling Temp	70°C	70°C	70°C	70°C
Shelf Life at ambient temperature (10-40°C)	36 months	36 months	24 months	24 months