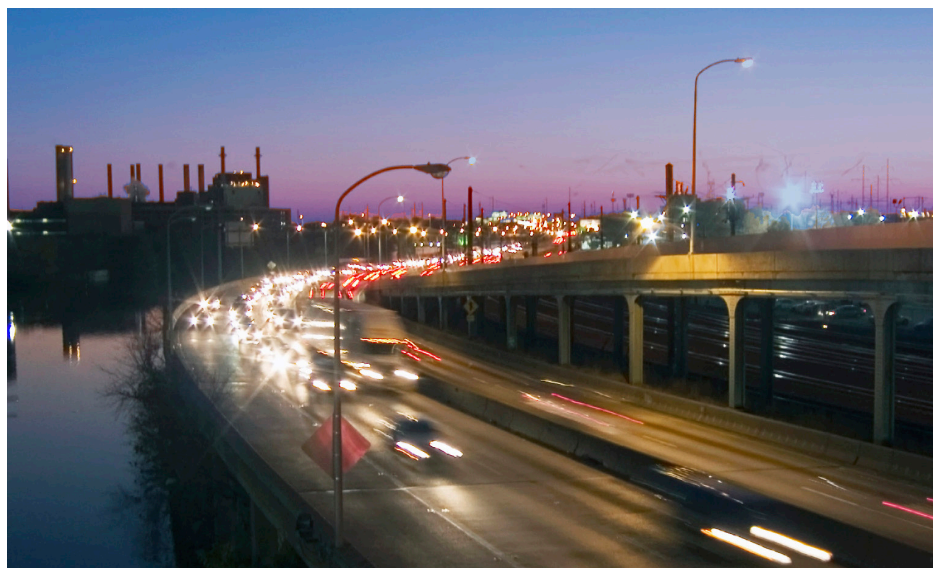


# ENGINE OILS

## **HiTEC® 9325G** Engine Oil Additive Package



Versatile Cascade Additive Solution for Mainstream API SG to SL

## HiTEC® 9325G Engine Oil Additive Package

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### Application

HiTEC® 9325G is a versatile cascade additive package, efficiently designed for passenger car, light duty diesel & 4-stroke motorcycle engine oil applications. This "all-in-one" solution is ideal for oil marketers who produce engine oils for different vehicle types, making production even simpler!

HiTEC® 9325G provides core API requirements from API SG/ CD through API SL/CF/ CF-4. With addition of boosters, HiTEC® 9325G can demonstrate JASO MA or JASO MB performance in 4-stroke motorcycle.

### Key Performance Benefits

- Versatile additive package, i.e. excellent balance between gasoline and diesel requirements with one additive package.
- Further enhancement to cover motorcycle engine requirements with appropriate boosters.
- Broad specification coverage from API SG/ CD to SL/ CF/ CF-4.
- Wide viscosity grade coverage from 10W-30, 10W-40, 15W-40, 20W-40 & 20W-50.
- All data demonstrated by engine testing allowing licensed API claims\*, where applicable.

\* Please contact your Afton sales representative for specific formulation recommendations for API License matters.

### Recommended Dosage

Performance		Add Package HiTEC® 9325G	Booster HiTEC® 4716	Booster HiTEC® 1656
JASO MB*	API SL/CF	6.8% wt	0.8% wt	---
	API SJ/CF	5.45% wt	0.65% wt	---
JASO MA	API SL/CF/CF-4	6.8% wt	---	---
	API SJ/CF	5.45% wt	---	---
	API SG	4.9% wt	---	0.1% wt
	API SG/CD	4.9% wt	---	---

Please contact your Afton sales representative for:

- Specific formulation recommendations in regional base oils & alternative VI improvers
- \*API licensing & Thailand MOE registration

### Handling Information

Recommended Storage and Handling Temp: 40-45°C

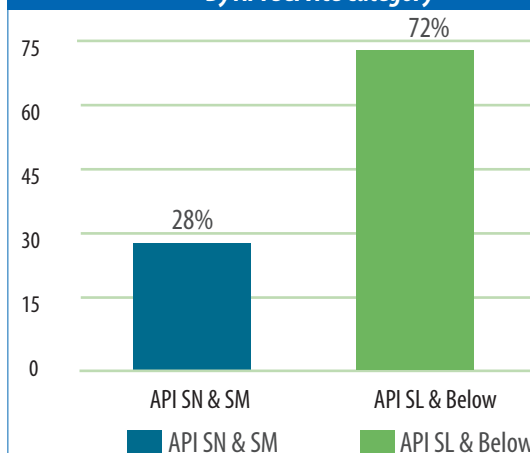
Max Storage Temp: 50°C

Max Handling Temp: 70°C

Maximum Blending Temp: 70°C

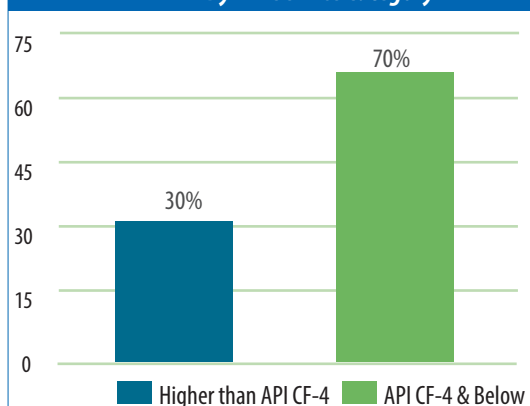
Shelf Life: 24 months @ ambient temperature (10 – 40°C)

2010 Asia Pacific Key Countries - PCMO Volume Split  
By API Service Category



Source: Afton's internal market assessment in 2010

2010 Asia Pacific Key Countries - HDDO Volume Split  
By API Service Category



Source: Afton's internal market assessment in 2010

### Typical Characteristics

Appearance:	Dark Brown Slightly Hazy Liquid
Flash Point, °C (PMCC):	150 min.
Specific Gravity at 15.6°C:	1.000
Density at 15°C, g/ml	0.998
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s:	125
Calcium, % weight	3.41
Molybdenum, % weight	0.16
Nitrogen, % weight	0.98
Phosphorus, % weight	1.47
Zinc, % weight	1.62
Total Base Number, mg KOH/g:	112