

# ENGINE OILS

## **HiTEC<sup>®</sup> 12010**

**Economic Diesel Engine Oil Additive**



Designed to Cover API SG/SF/CF-4/CF/CD/CC Performance

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### Application

HiTEC<sup>®</sup> 12010 additive is a cost-effective additive package for the manufacture of economic diesel and passenger car engine oils.

HiTEC<sup>®</sup> 12010 additive is specifically designed for emerging markets to cover from API SG/CF-4 down to API SB/CB performance at a competitive treat rate.

### Key Performance Benefits

- Minimum 6 TBN treat rate for API CF quality
- 10 TBN typical CF-4

### Recommended Dosage

An API SG/CF-4 core program has been modelled at 6.0 wt% (Exxon Mobil group I & group II basestocks)

An API SF/CF core program has been modelled at 3.8 wt% (Exxon Mobil group I basestocks)

Allison C3 and CAT T0-2 technical judgement at 6.0 wt% (Exxon Mobil group I basestocks)

HiTEC<sup>®</sup> 12010 additive covers the following economic heavy duty diesel profile:

	API SG/CF-4	API SF/CF	API SD/CD	API SD/CC	API SC/CC	API SB/CB
Treat Rate	6.0	3.8	2.9	2.6	2.2	1.5
TBN, Typical	10.47	6.63	5.06	4.54	3.84	2.62

### Typical Characteristics

Appearance	Dark brown liquid
Density @ 15°C, g/ml	1.044
Viscosity @ 100°C, mm <sup>2</sup> /s	73
Flash Point, °C (PMCC)	135 min.
Calcium, % wt.	6.26
Zinc, % wt.	1.53
Phosphorus, % wt.	1.38
Total Base Number, mg KOH/g	175

### Handling Information

Max Handling Temp: 70°C

Shelf Life: 24 months

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