

COMPONENTS

HiTEC[®] 5748

Olefin Copolymer VI Improver



Provides Excellent Shear Stability in Crankcase Lubricants

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Application

HiTEC® 5748 olefin copolymer viscosity index improver is recommended for use in industrial, gasoline and diesel crankcase lubricants, particularly when excellent shear stability is desired, or as in motorcycle applications. It is based on 23 SSI polymer. Multigrade crankcase oils containing HiTEC® 5748 typically lose no more than 0.5 centistokes (approximately two Saybolt seconds) at 100°C in typical over-the-road service.

Key Performance Benefits

- Excellent shear stability requirements
- Field tested
- Exceeds Bosch stay-in-grade shear stability requirements
- Surpasses Sequence VIII stay-in-grade requirements
- Robust low-temperature properties

Recommended Dosage

Dosages of HiTEC® 5748 generally necessary to make multigrade crankcase oils which meet the 10 hour L-38 stay-in-grade requirements are given below, with CMCC (DIN 51382) stay-in-grade recommendations in parentheses:

SAE Grade	5W30	10W30	10W40	15W40	20W50
HiTEC® 5748 (vol.)	8.0%	5.7%	11.6%	5.4%	5.4%
	(8.0%)	(5.8%)	(11.8%)	(5.5%)	(5.5%)

Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance	Clear to hazy viscous liquid
Density, lbs/gal.	7.21
Specific Gravity @ 15.6/15.6°C	0.865
Flash Point, °C (PMCC)	155 min.
Viscosity @ 40°C, cSt	15000
Viscosity @ 100°C, cSt	1140
Color, ASTM D1500	5.0 max.

Handling Information

Max Handling Temp: 250°F (120°C)
Shelf Life: 36 months @ ambient temperature