VISCOSITY MODIFIERS

HiTEC® 5748 Non-Dispersant Olefin Copolymer VM



Versatility and logistical simplicity across multiple applications



HiTEC[®] 5748 Non-Dispersant Olefin Copolymer VM

Versatility and logistical simplicity across multiple applications

Application

HiTEC[®] 5748 is recommended for use in industrial, gasoline and diesel crankcase lubricants, particularly when excellent shear stability is desired, or in motorcycle applications.

HiTEC[®] 5748 can also be used in grease applications to provide structural stability and reduce the soap content.

Key Performance Benefits

- Single VM for multiple applications
- Logistical simplicity
- Excellent shear stability requirements
- Proven in the field
- 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:

Specific Gravity @ 15.6/15.6°C: Flash Point, °C (PMCC): Kinematic Viscosity @ 100°C, cSt: Color, ASTM D1500: Dilute Viscosity @ 100°C, cSt: Shear Stability Index %: Clear to slightly hazy greenish tan viscous liquid 0.855 135 min. 1100 3.0 max. 11.55 22

Handling Information

Max Handling Temp: $250^{\circ}F (120^{\circ}C)$ Shelf Life: 36 months @ $10 - 40^{\circ}C$

© 2021. Afton Chemical Corporation is a wholly-owned subsidiary of NewMarket Corporation (NYSE:NEU). HiTEC® is a trademark of Afton Chemical Corporation. 04/21.

The information in this bulletin is, to our best knowledge, sure and accurate, but all recommendations or suggestions are made without guarantee since the conditions of use are beyond our control. Afton Chemical Corporation and its affiliates disclaim any liability incurred in connection with the use of these data or suggestions. Furthermore, nothing contained herein shall be construed as a recommendation to use any product in conflict with existing patents covering any material or its use.

HiTEC[®] 5748 can be used with various engine oils, selected off-road, and grease applications making it highly versatile:



Licensable PCMO applications from API SL to OEM applications such as MB 229.5



Licensable HDEO applications from API CH-4 to OEM applications such as MB 228.51



JASO compliant for MCO applications from API SG to API SN quality



Fit for use for selected off-road applications



Used in grease applications to provide structural stability and reduce soap content

