COMPONENTS

HiTEC® 6305

Liquid Viscosity Modifier

Premium Viscosity Modifier for Use in Demanding Engine Oil Applications

Afton® CHEMICAL
Passion for Solutions™

HiTEC® 6305 Liquid Viscosity Modifier

Premium Viscosity Modifier for Use in Demanding Engine Oil Applications

Key Performance Benefits

HiTEC® 6305 liquid viscosity modifier is recommended for use in demanding PCMO and HDEO applications where enhanced engine performance, protection and durability over an extended drain interval is required.

It delivers better cleanliness and oil consumption benefits compared to conventional viscosity modifiers and enables modern cars, commercial vehicles and equipment to run longer under more severe conditions.

HiTEC® 6305 additive delivers a broad range of customer benefits:

- Extremely shear stable technology to minimize viscosity drop and power losses throughout the drain interval
- Minimum volatility losses, reducing the need for group III or group IV base stocks trim and overall formulation cost
- Superior thickening power at an optimized treat-rate for better deposit control
- Excellent oxidation stability addressing the latest Industry and OEM requirements
- Enables the formulation of low viscosity grade, low HTHS engine oils, which can deliver fuel economy benefits compared to higher viscosity grades engine oils

Recommended Dosage

HiTEC® 6305 is typically used to manufacture stay-in-grade multigrade engine oils as measured in KO Shear test. Typical dosage for the most common viscosity grades of premium engine oils are given below:

SAE Grade	0W-20	5W-30	5W-40	10W-40
HiTEC® 6305 % wt.	4.0	6.0	8.5	6.0

Please contact you Afton Chemical representative for specific treat-rate recommendations.

Typical Characteristics

Appearance:	Clear to hazy viscous liquid
Density at 15°C, g/ml:	0.8438
Flash Point, °C (PMCC):	200 min.
Kinematic Viscosity at 100°C, mm^2/s:	725
Thickening Power at 100°C, mm^2/s:(1)	4.00

(1) 6.67% wt. HiTEC® 6305 additive in reference oil RO-2001

Handling Information

Max Short Term Handling Temp: 120°C
Shelf Life: 36 months at ambient temperature

Afton® CHEMICAL