

COMPONENTS

HiTEC[®] 5789

Polymethacrylate Pour Point Depressant



Problem Solver for Challenging Base Oils

HiTEC® 5789 Polymethacrylate Pour Point Depressant

Problem Solver for Challenging Base Oils

Key Performance Benefits

HiTEC® 5789 is a polymethacrylate pour point depressant. It performs well in Passenger Car and Heavy Duty Engine Oils applications, specifically those which combined the use of a Viscosity Index Improvers and heavy base oils, or Brightstock.

HiTEC® 5789 provides the following customer benefits:

- Suitable for use in Gp II Base Oils, matching Industry trends
- Low viscosity for ease of handling
- Effective in Industrial Gear formulations using Brightstock

Recommended Dosage

The recommended treat rate for HiTEC® 5789 for Engine Oils applications varies from 0.10% - 0.20%. The exact dosage is determined by the base oils present. Please contact your Afton Chemical representative for specific recommendations.

Typical Characteristics

Appearance: Clear to slightly hazy yellow to amber viscous liquid

Specific Gravity at 15.6/15.6°C: 0.91

Viscosity at 100°C, cSt: 150

Flash Point (PMCC), °C: 120 min.

Handling Information

Max Handling Temp: 100°C

Shelf Life: 36 months at ambient temperature

HiTEC® 5789 Response in Base Oils

HiTEC® 5789, % wt.	Pour Point, °C			Pour Point, °C			Pour Point, °C		
	APE Core 150	APE Core 600	APE Core BS	Chevron 100R	Chevron 220R	Chevron 600R	Nexbase 3030	Nexbase 3043	Nexbase 3060
0	-12	-6	-9	-18	-12	-12	-33	-18	-18
0.25	-24	-21	-12	-42	-30	-36	-51	-39	-36
0.5	-27	-24	-21	-42	-33	-33	-48	-39	-36
1	-30	-24	-18	-45	-30	-33	-48	-39	-33

Pour Point Depressant Portfolio by Base Oil Compatibility

	Group I			Group II			Group III		
	APE CORE 150	APE CORE 600	APE CORE BS	Chevron 100R	Chevron 220R	Chevron 600R	Nexbase 3030	Nexbase 3043	Nexbase 3060
HiTEC® 672	●	●	●	●	●	●	●	●	●
Premium Pour Point Depressant for the Most Demanding of Applications									
HiTEC® 5789	●	●	●	●	●	●	●	●	●
Problem Solver for Challenging Base Oils									
HiTEC® 5714	●	●	●	●	●	●	●	●	●
All-round Performance with Added Thickening Efficiency									
HiTEC® 623	●	●	●	●	●	●	●	●	●
All-round Performance with Easy Handling									
HiTEC® 5788	●	●	●	●	●	●	●	●	●
Cost-effective Pour Point Depressant Solution									
HiTEC® 5724	●	●	●	●	●	●	●	●	●
Next Generation Group III Solution									

● Most Effective ● Effective ● Least Effective

HiTEC® 5789 Superior Cold Temperature Performance vs Competitor

15W40 MRV results after Low Temperature Pumpability Oxidation Tests

