

COMPONENTS

HiTEC[®] 5714

Pour Point Depressant



All-round Performance with Added Thickening Efficiency

HiTEC® 5714 Pour Point Depressant

All-round Performance with Added Thickening Efficiency

Key Performance Benefits

HiTEC® 5714 is a Polymethacrylate pour point depressant. It has proven performance in Industrial Gear and Hydraulic applications, in a wide range of base oils.

HiTEC® 5714 provides the following customer benefits:

- Highly compatible with Gp I, II and III base oils
- Adds thickening efficiency performance
- Effective in MTF and Driveline Gear applications

Recommended Dosage

The recommended treat rate for HiTEC® 5714 varies from 0.25% - 2.0% with the exact dosage 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	0.915
Kinematic Viscosity at 100°C, mm ² /s:	860
Flash Point (PMCC), °C:	120 min.

Handling Information

Max Short Term Handling Temp: 100°C
Shelf Life: 36 months at ambient temperature

HiTEC® 5714 Response in Base Oils

HiTEC® 5714, % 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	-33	-21	-9	-48	-42	-39	-54	-45	-45
0.5	-39	-30	-9	-48	-45	-42	-54	-48	-45
1	-39	-30	-12	-48	-45	-36	-51	-45	-45

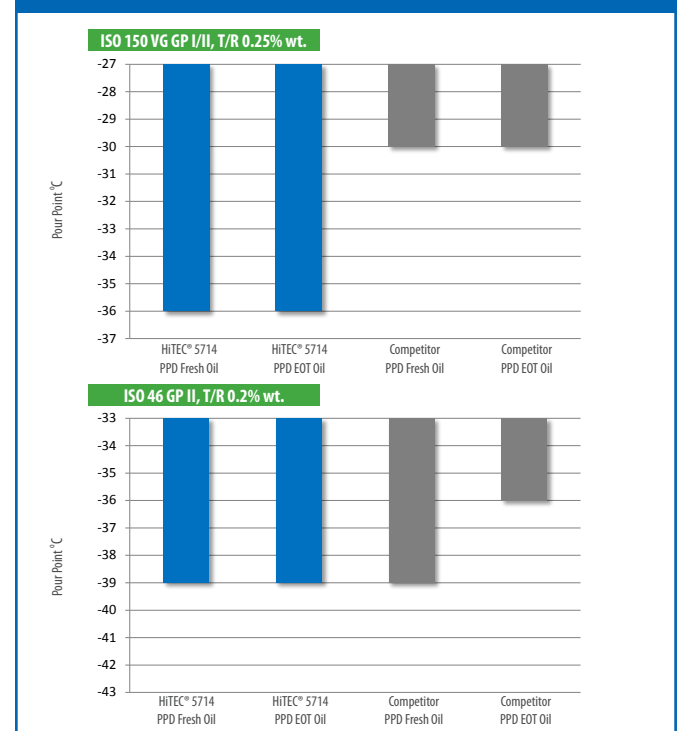
Pour Point Depressant Portfolio by Base Oil Compatibility

	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® 5714 Superior Cold Temperature Performance vs Competitor

ISO 150 and ISO 46 Pour Point results after S200 Oxidation Tests



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