

COMPONENTS

HiTEC® 623

Pour Point Depressant



All-round Performance with Easy Handling

HiTEC® 623 Pour Point Depressant

All-round Performance with Easy Handling

Key performance benefits

HiTEC® 623 is a Polymethacrylate pour point depressant. It performs well in Off Road and Manual Transmission applications, in a range of base oils.

HiTEC® 623 provides the following customer benefits:

- Field proven in Manual Transmission and Axle applications
- Highly compatible with GP I, II and III base oils
- Low viscosity for ease of handling
- Effective in Industrial Hydraulic applications

Recommended dosage

The recommended treat rate for HiTEC® 623 varies from 0.2% - 2.0% wt. with the exact dosage determined by the base oils present. Please contact your Afton Chemical representative for specific recommendations.

Typical characteristics

Appearance:	Pale Yellow Viscous Liquid
Density at 15°C, g/ml:	0.915
Kinematic Viscosity at 100°C, mm ² /s:	360
Flash Point (PMCC), °C:	150

Handling information

Max Handling Temp: 85°C
Shelf Life: 36 months at ambient temperature

HiTEC® 623 Response in Base Oils

HiTEC® 623, % 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	-30	-21	-9	-48	-39	-39	-54	-45	-45
0.5	-39	-27	-9	-48	-42	-39	-54	-45	-45
1	-42	-30	-12	-48	-45	-42	-51	-48	-45

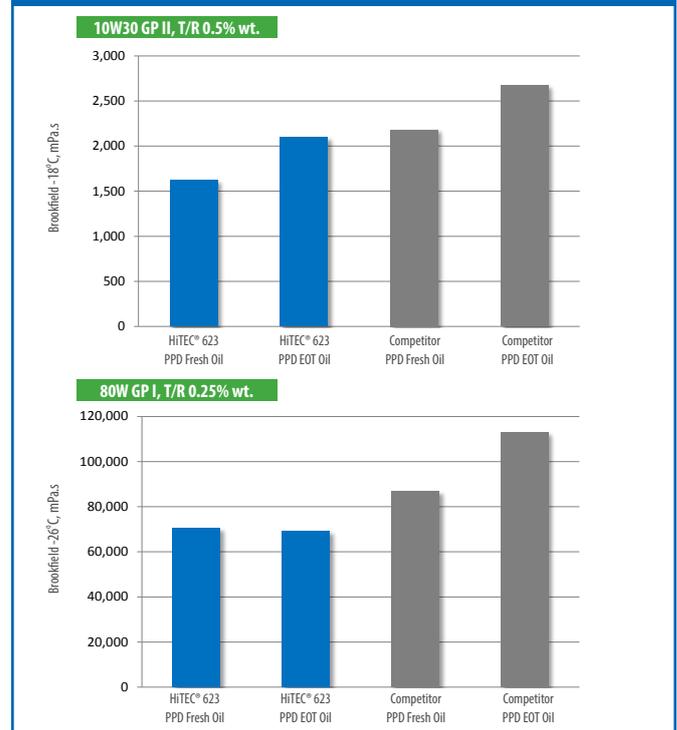
Pour Point Depressant Portfolio by Base Oil Compatibility

	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® 623 Superior Cold Temperature Performance vs Competitor

10W30 and 80W Brookfield results after DKA Oxidation Tests



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