

# COMPONENTS

## **HiTEC<sup>®</sup> 5711D**

**Dispersant Polymethacrylate Viscosity Index Improver**



For Automatic, Manual and Continuously Variable Transmission Applications

## HiTEC® 5711D Dispersant Polymethacrylate Viscosity Index Improver

For Automatic, Manual and Continuously Variable Transmission Applications

### Application

HiTEC® 5711D viscosity index improver is a medium shear stability dispersant methacrylate polymer recommended as a viscosity index improver for automatic, manual and continuously variable transmission (CVT) applications. It is also used to formulate tractor oils meeting John Deere's winter specification J20D.

### Key Performance Benefits

- Excellent solubility in solvent neutral oils and hydrocracked base stocks

### Recommended Dosage

Please contact your Afton Chemical representative for specific recommendations.

### Typical Characteristics

Appearance	Clear to slightly hazy yellow to amber viscous liquid
Density, lbs/gal.	7.62
Kinematic Viscosity @ 100°C, cSt	850
Flash Point, °C (PMCC)	120 min.
Specific Gravity, 15.6/15.6°C	0.915
Kinematic Viscosity @ 40°C, cSt	13000

### Handling Information

Max Handling Temp: 100°C (210°F)  
Shelf Life: 36 months @ ambient temperature

Shear Stability					
30 Cycle Bosch		20 Hr. KRL		40 Min. Sonic	
P-SSI	% Vis. Loss	P-SSI	%Vis. Loss	P-SSI	% Vis. Loss
10	4	75	27	64	20

Wt% HiTEC® 5711D	Viscometric Performance in Group I Base Oils											
	70N Oil			100N Oil			150N Oil			600N Oil		
	0	5	10	0	5	10	0	5	10	0	5	10
Viscosity at 100°C, cSt	2.90	4.82	8.01	4.18	6.70	10.75	5.24	8.39	13.43	12.21	18.06	26.72
Viscosity at 40°C, cSt	12.10	19.52	31.46	20.97	32.63	50.76	30.80	47.47	73.13	114.5	158.30	218.9
Viscosity Index	81	182	244	101	169	209	100	154	189	96	127	156
Pour Point, °C	-15	-51	-64	-19	-50	-54	-16	-47	-51	-6	-17	-24
Viscosity @ -35°C, cP	---	4100	3600	---	8500	13000	---	2600	32000	---	---	---