COMPONENTS

HITEC® 5711D Dispersant Polymethacrylate Viscosity Index Improver



For Automatic, Manual and Continuously Variable Transmission Applications







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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.

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				

Typical Characteristics

Appearance

Density, lbs/gal. Kinematic Viscosity @ 100°C, cSt Flash Point, °C (PMCC) Specific Gravity, 15.6/15.6°C Kinematic Viscosity @ 40°C, cSt

Handling Information

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

Clear to slightly hazy yellow to amber viscous liquid 7.62 850 120 min. 0.915 13000

Viscometric Performance in Group I Base Oils												
	70N Oil		100N Oil		150N Oil		600N Oil					
Wt% HiTEC [®] 5711D	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			



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