

Fig. 1

Ionic Liquids of Example No.	Kinematic Viscosity at 100°C, cSt	Kinematic Viscosity at 40°C, cSt	Viscosity Index (VI)	Solubility in di(tridecyl) adipate ester	Solubility in alkylated naphthalene AN5	TGA (50% wt. loss)
1	23.63	237.1	124	10% soluble; 50% soluble	5% soluble	394.1°C
2	29.40	318.38	126	10% soluble; 50% soluble	5%, 10%, and 50% soluble	397.5°C

Fig. 2

Ionic Liquids of Example No.	Kinematic Viscosity at 100°C, cSt	Kinematic Viscosity at 40°C, cSt	Viscosity Index (VI)	Solubility in di(tridecyl) adipate Ester	TGA (50% wt. loss.)
5	7.79	45.72	140	10% soluble; 50% soluble	437.3 °C
7	Solid	Solid	Solid	10% soluble; 50% soluble	441.1 °C
9	8.43	52.66	134	10% soluble; 50% soluble	430.4 °C
11	11.64	81.27	135	10% soluble; 50% soluble	434.5 °C
13	10.35	81.47	109	10% soluble; 50% soluble	412.4 °C