

Fig. 1

Entry	Source	Basestock	ASTM D445 or D7042 Kinematic Viscosity (@100 °C)	ASTM D445 or D7042 Kinematic Viscosity (@40 °C)	ASTM D2270 Viscosity Index (VI)	ASTM D5600 Noack (%)
1	Example 1	2-Hexyl-1-decyl phenylacetate	2.33	7.7	120	23
2	Example 2	2-Hexyl-1-decyl 3-phenylpropionate	2.65	9.6	112	18
3	Example 3	2-Octyl-1-dodecyl phenylacetate	3.03	10.9	140	8
4	Example 4	2-Butyl-1-octyl 4-phenylbutyrate	2.25	7.9	89	37
5	Example 5	2-Hexyl-1-decyl 4-methoxyphenylacetate	2.99	12.3	94	12
6	Example 6	2-Hexyl-1-decyl m-tolylacetate	2.50	8.9	109	20
7	Example 7	2-Hexyl-1-decyl p-tolylacetate	2.49	8.7	111	n.d.
8	Example 8	2-Phenylethyl 2-hexyldecanoate	2.54	9.5	97	26
9	Example 9	2-Hexyl-1-decyl benzoate	2.66	11.0	62	28
10	Commercial	2-Ethylhexyl oleate	2.80	8.0	238	22

Fig. 1
(Cont.)

Entry	Source	Basestock	ASTM D445 or D7042 Kinematic Viscosity (@100°C)	ASTM D445 or D7042 Kinematic Viscosity (@40°C)	ASTM D2270 Viscosity Index (VI)	ASTM D5800 Noack (%)
11	Commercial	Bis(2-ethylhexyl) adipate	2.32	7.7	116	41
12	Commercial	Diisononyl adipate	3.06	10.8	150	17
13	Commercial	Diisodecyl adipate	3.62	14.1	146	14
14	Commercial	Bis(2-ethylhexyl) sebacate	3.22	11.6	152	16
15	Commercial	Di-2-ethylhexyl azelate	3.00	10.7	137	29
16	Commercial	Bis(2-ethylhexyl) dodecanedioate	3.75	14.1	165	11
17	Commercial	Esterex™ A32	2.80	9.5	149	30
18	Commercial	Esterex™ A34	3.20	12.0	137	20
19	Commercial	Esterex™ A41	3.60	14.0	144	16

Fig. 2

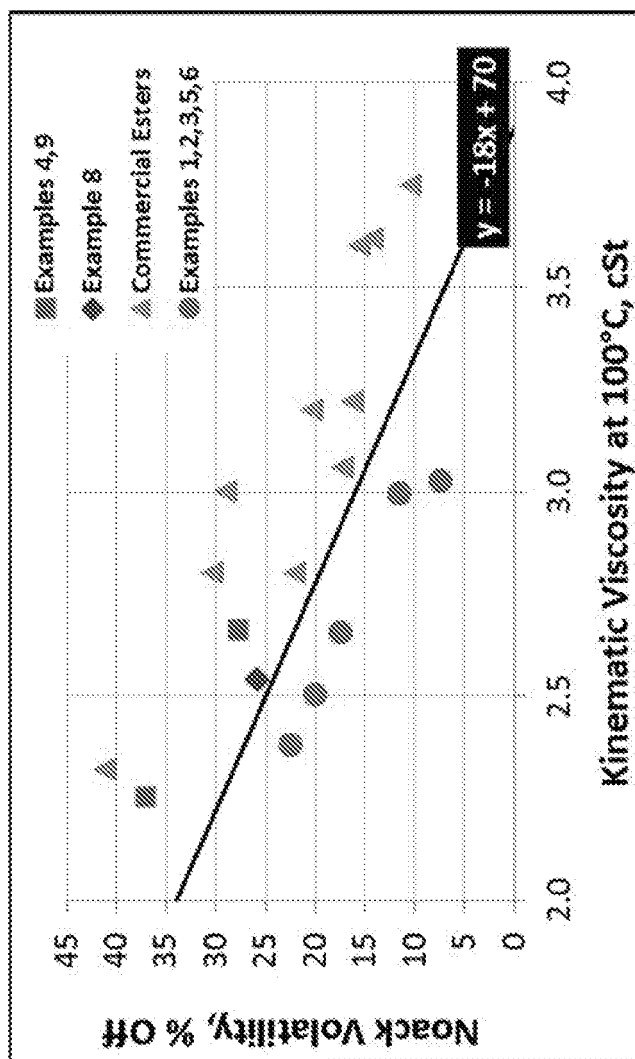


Fig. 3

Entry	Source	Formulation based on basestock	ASTM D4683 HTHS (cP, 150 °C)	ASTM D5800 Noack (%)	D6335 TEOST 33C (mg, total deposit)
1	Example 1	2-Hexyl-1-decyl phenylacetate	1.46	21	12.3
2	Example 7	2-Hexyl-1-decyl p-tolylacetate	1.55	16	16.9
3	Example 2	2-Hexyl-1-decyl 3-phenylpropionate	1.64	14	9.9
4	Commercial	Diisooctyl adipate	1.72	22	163.9
5	Commercial	nC7 Trimethylolpropane ester	n.a.* Low additive compatibility	n.a.	n.a.
6	Commercial	nC8/nC10 Trimethylolpropane ester	n.d.	4	28.2
7	Commercial	Spectrasyn 4	1.97	9	13.7

*Not applicable

Fig. 4

