

Nomenclature:

SO – sunflower oil

SO10 – Blend containing 10% DEE by vol. and 90% SO

SO20 – Blend containing 20% DEE by vol. and 80% SO

SO30 – Blend containing 30% DEE by vol. and 70% SO

Table S1. Results of the density measurements

SO	DEE10	DEE20	DEE30
0.917	0.901	0.886	0.869
0.920	0.905	0.888	0.869
0.921	0.903	0.885	0.867

Table S2. Results of the viscosity measurements

SO	DEE10	DEE20	DEE30
34.5	17.8	11.0	4.5
34.8	18.4	9.7	4.7
34.3	17.1	10.5	4.9

Table S3. Results of the surface tension measurements

SO	DEE10	DEE20	DEE30
47.0	42.0	38.0	34.0
45.0	41.0	37.0	33.5
46.0	40.5	37.5	32.0

Table S4. Results of the lower heating value (LHV) measurements

SO	DEE10	DEE20	DEE30
34.8	33.0	32.2	31.3
34.6	32.6	32.0	30.8
34.1	33.5	32.5	31.3

Table S5. Results of the cold filter plugging point (CFPP) measurements

SO	DEE10	DEE20	DEE30
28.0	17.0	2.0	-13.0
27.0	16.0	1.0	-11.0
29.0	15.0	0.0	-14.0

Table S6. Results of the flash point (FP) measurements

SO	DEE10	DEE20	DEE30
300.0	50.0	25.0	10.0
310.0	60.0	30.0	5.0
320.0	65.0	20.0	15.0