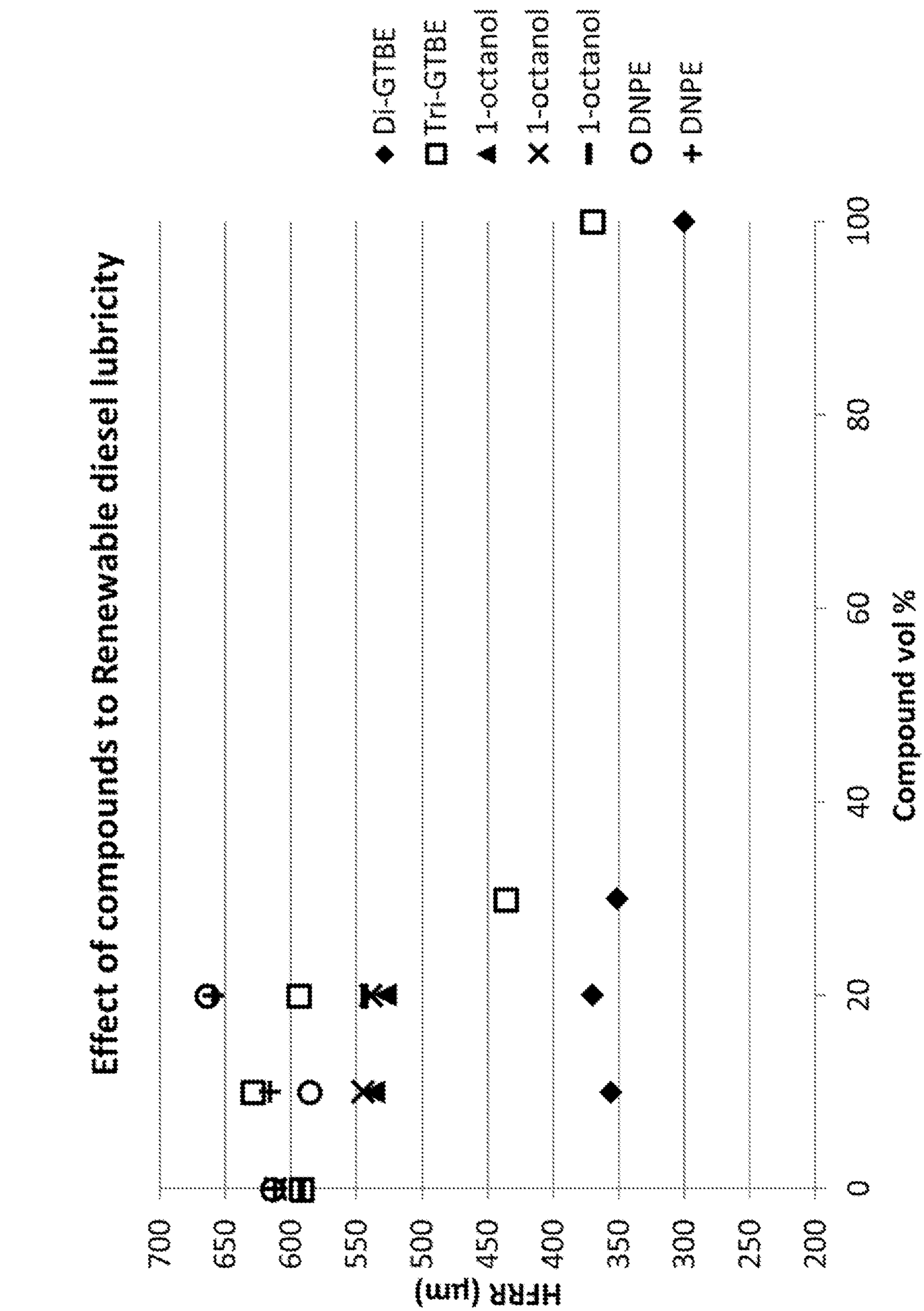

Di-GTBE
Tri-GTBE
1-octanol
1-octanol
1-octanol
DNPE
DNPE
Renewable diesel lubricity
Effect of compounds to Renewable diesel lubricity
Compound vol %
0
20
40
60
80
100
HFRR (µm)
700
650
600
550
500
450
400
350
300
250
200

Fig. 1

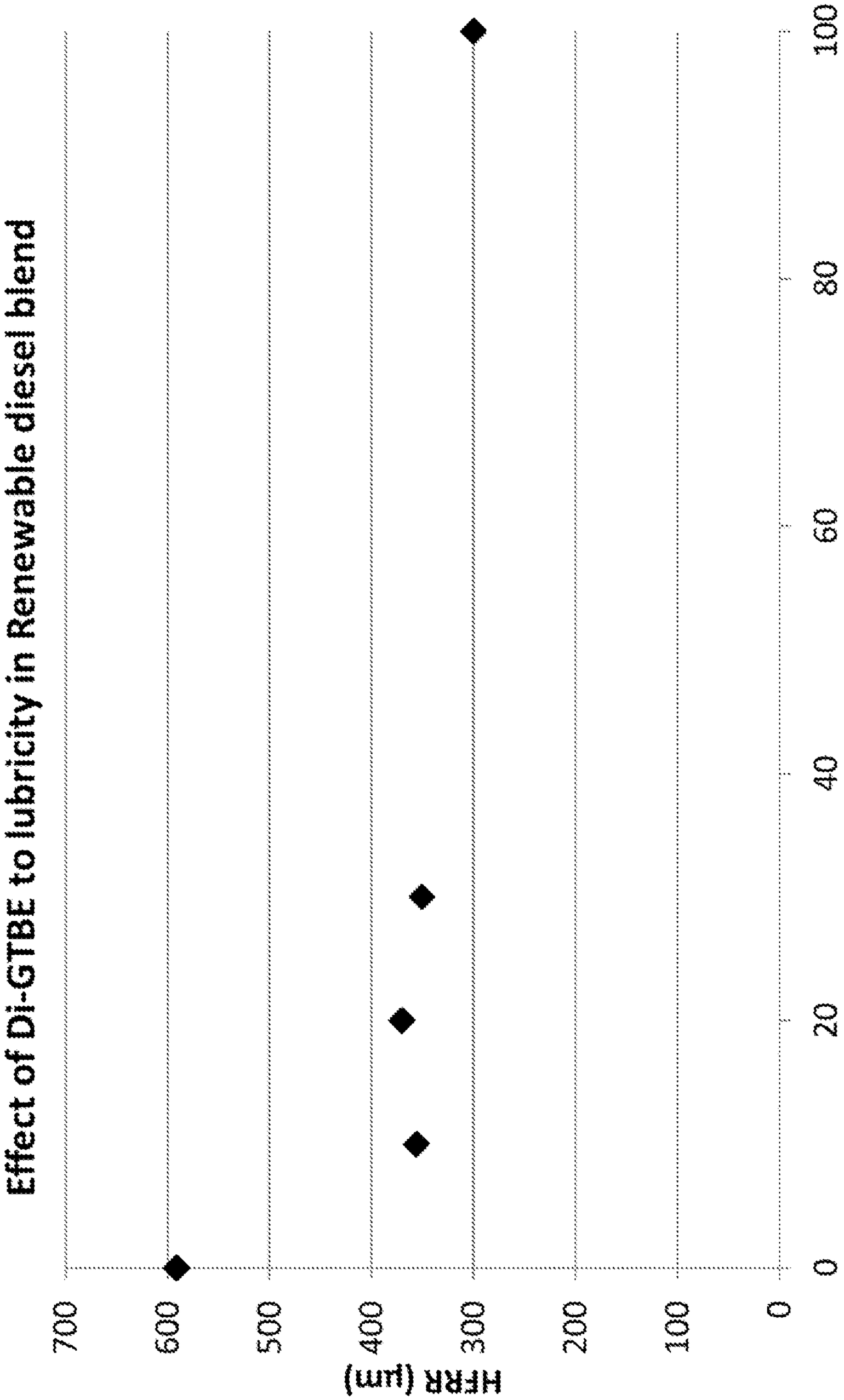

Effect of Di-GTBE to lubricity in Renewable diesel blend
HFRR (µm)
700
600
500
400
300
200
100
0
D-GTBE content vol%
40
60
80
100
0
20

Fig. 2

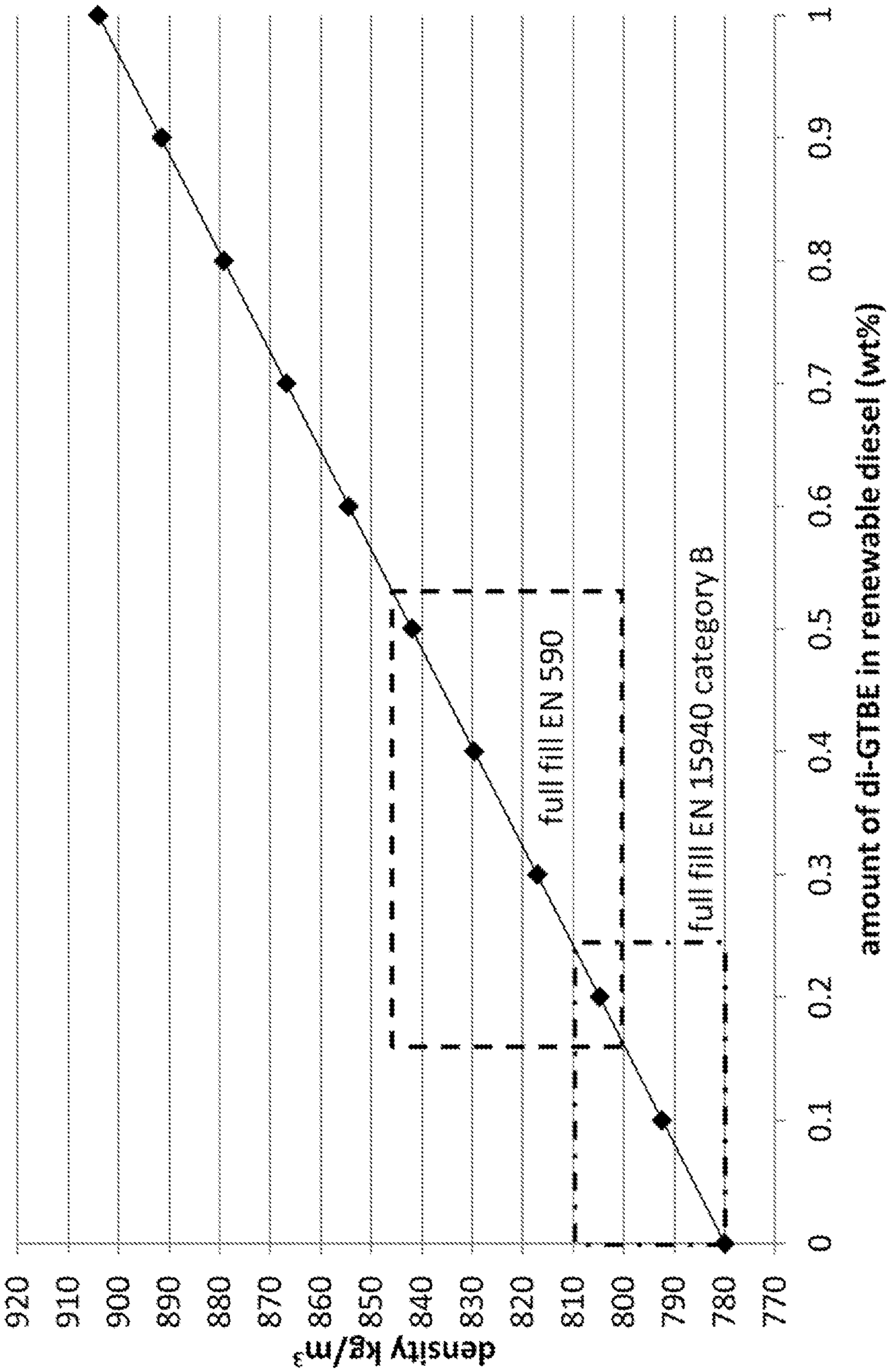

density kg/m³
920
910
900
890
880
870
860
850
840
830
820
810
800
790
780
770
amount of di-GTBE in renewable diesel (wt%)
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
full fill EN 15940 category B
full fill EN 590

Fig. 3