Supporting Information

Aggregation and redispersion of silver species on the alumina and sulphated alumina supports for soot oxidation

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1. Electron beam induced effects on the morphologies of the catalyst and soot particles



Fig. S1 A typical area of interest with a layer of soot and one silver particle of AgAl acquired at (a) 0 s and (b) after 5 min observation in 1 Pa O₂ at room temperature.

2. CO_x profiles in soot-TPO



Fig. S2 CO_x profiles during the uncatalyzed and catalyzed soot-TPO runs.



Fig. S3 CO_x profiles during the first and second runs of soot-TPO over the spent

catalysts.

3. Cycle-TG analysis



Fig. S4 Cycle-TG curves of (a) AgAl and (b) AgSAl in N_2 (black) and air (red).

4. TGA results



Fig. S5 TGA curves of the catalysts.

5. ETEM results



Fig. S6 (a) ETEM, (b) STEM and (c) EELS analyses of AgAl-Sp.