Electronic Supplementary Information

Tribotronic control of friction in oil-based lubricants with ionic liquid additives

P. K. Cooper, a H. Li, a G. B. Webber, a M. W. Rutland b, c and R. Atkin a

a Priority Research Centre for Advanced Fluids and Interfaces, Newcastle Institute for Energy and Resources, University of Newcastle, Callaghan, NSW 2308, Australia.

b KTH Royal Institute of Technology, School of Chemical Science and Engineering, Department of Chemistry, SE-100 44 Stockholm, Sweden.

c SP Technical Research Institute of Sweden, SP Chemistry, Materials and Surfaces, SE-114 86 Stockholm, Sweden.

Email: rob.atkin@newcastle.edu.au
Fig. S1 Typical AFM normal force curves for the IL-oil mixtures. The approach data is shown in blue and the retraction data in red.