Supplementary Information

Derivatizing L-histidine to develop novel additive for polyol based biolube

Raj K. Singh,[a,*] Shubham Pandey,[a] Rakesh C. Saxena,[a] Gananath D. Thakre,[b] Neeraj Atray,[c] Siddharth S. Ray[a]

[a]*Chemical Sciences Division, CSIR-Indian Institute of Petroleum, Dehradun-248 005, India; Tel: +91-135-2525708 (O); Fax: +91-135-2660202; Email: rksingh@iip.res.in*

[b]*Tribology Division, CSIR-Indian Institute of Petroleum, Dehradun-248 005, India*

[c]*Bio Fuels Division, CSIR-Indian Institute of Petroleum, Dehradun-248 005, India*

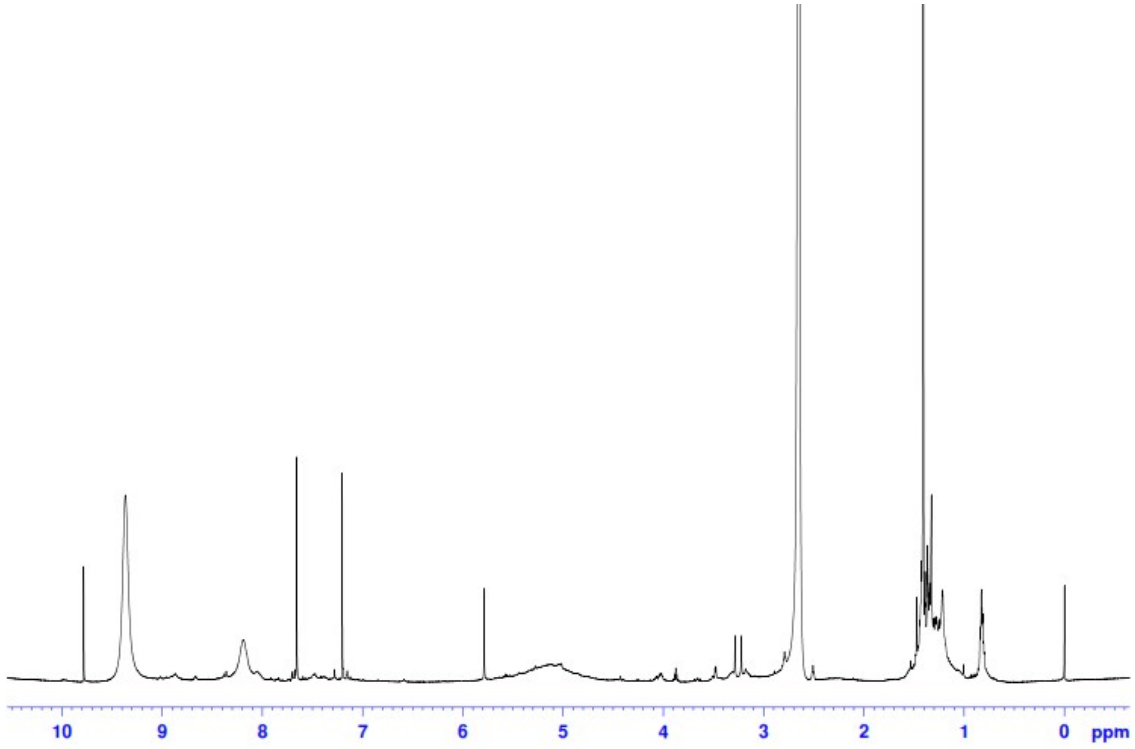


Fig. S1: ^{1}H NMR of *HSE-B* in $CDCl_3$.

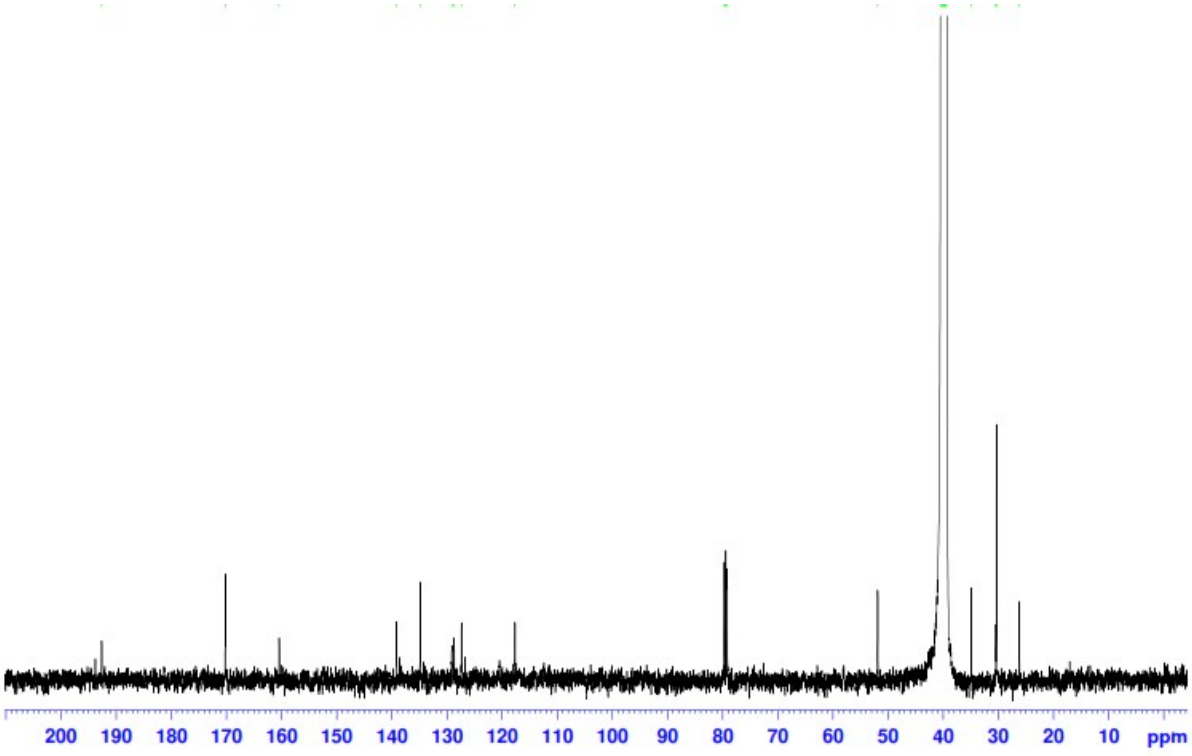


Fig. S2: ^{13}C NMR of *HSE-A* in d^6-DMSO.

GC/MS

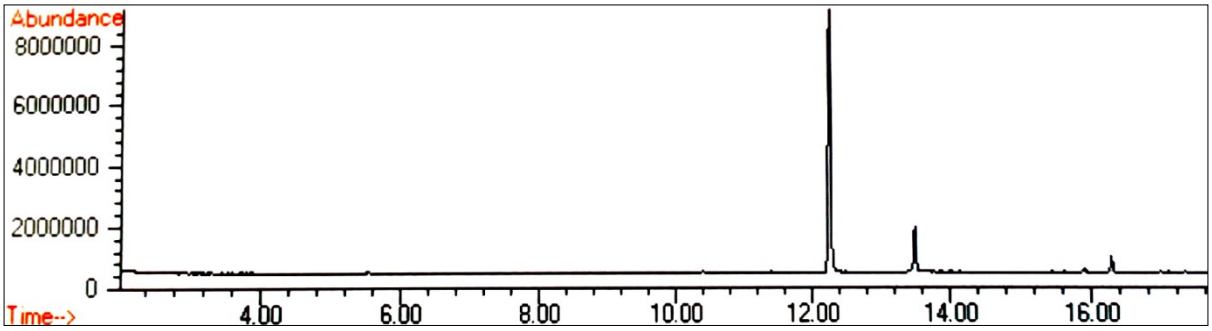


Fig. S3: GC/MS chromatogram of the sample *HSE-B*.

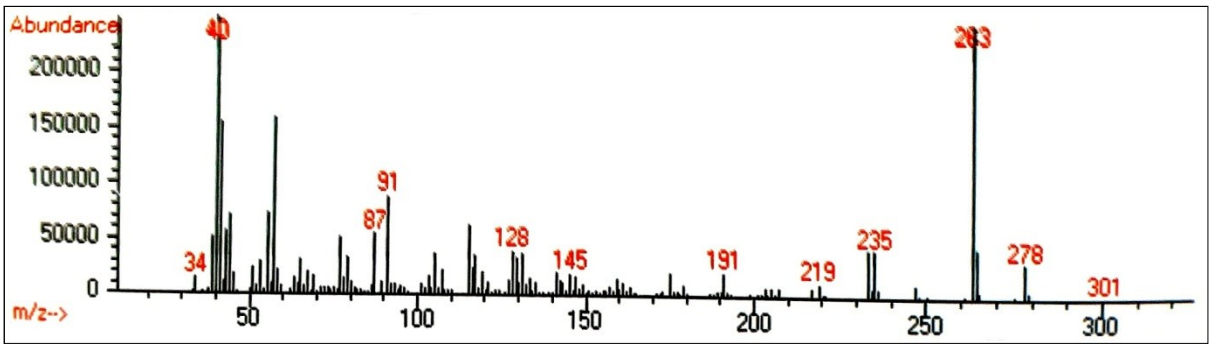
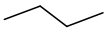
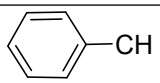
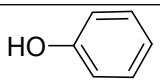
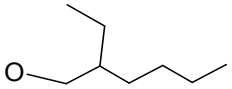
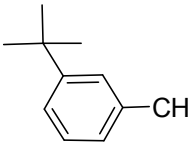
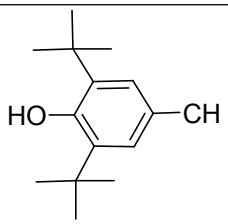
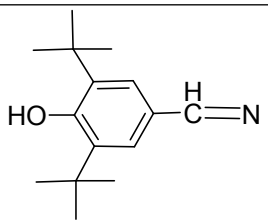
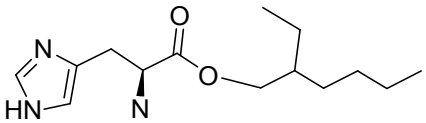


Fig. S4: Mass spectrum of the major component at 12.259 min (analyzed as *HSE-B*).

Table S1. The major peak assignment in GC/MS Spectrum of *HSE-B*.

m/z	Fragments
40	
57	
87	
91	
128	
145	
219	
235	
263	
278