

ABSTRACTA PROCESS FOR THE PRODUCTION OF A
LUBRICATING OIL ADDITIVE CONCENTRATE

A process for the production of a lubricating oil additive concentrate which process comprises reacting at elevated temperature

component (A) a defined acid or derivative thereof,

component (B) a calcium base added either in a single addition or in a plurality of additions at intermediate points during the reaction,

component (C) at least one compound which is (i) water, (ii) a polyhydric alcohol having 2 to 4 carbon atoms, (iii) a di- (C₃ or C₄) glycol, (iv) a tri (C₂-C₄) glycol, (v) a mono- or poly-alkylene glycol alkyl ether of the formula (I)



wherein R is a C₁ to C₆ alkyl group, R¹ is an alkylene group, R² is hydrogen or a C₁ to C₆ alkyl group and x is an integer from 1 to 6, (vi) a C₁ to C₂₀ monohydric alcohol, (vii) a C₁ to C₂₀ ketone, (viii) a C₁ to C₁₀ carboxylic acid ester, or (ix) a C₁ to C₂₀ ether,

component (D) a lubricating oil,

component (E) a defined carboxylic acid or derivative in an amount up to 60% by weight of the total weight of component (A) and component (E), said total weight of component (A) and component (E) being that required to satisfy an equivalent ratio of component (B) to component (A) plus component (E) of not greater than one.

