

ABSTRACT

ZINC-MOLYBDENUM-BASED DITHIOCARBAMATE DERIVATIVE, METHOD OF PRODUCING THE SAME, AND LUBRICANT COMPOSITION CONTAINING THE SAME

The present invention is directed to a zinc-molybdenum-based dithiocarbamate derivative which is a complex salt having the metallic components of zinc and molybdenum in the same molecule. When used as a lubricant additive, it imparts a notable friction-reducing effect to the lubricant composition in which it is incorporated, reducing its friction coefficient and improving its stability of friction coefficient at both low and high temperature, particularly at high temperature. In particular, it improves friction-related characteristics much more notably than a combination of a molybdenum and zinc compound.