

ABSTRACTMolybdenum-Sulfur Additives

A process for making an additive comprising one or more oil-soluble or oil-dispersible
5 molybdenum-sulfur compounds, said process comprising the steps of:

(I) reacting in a polar medium a reactant molybdenum compound (A) and a source of
a ligand (B), which ligand (B) is capable of rendering the or each molybdenum-
sulfur compound oil-soluble or oil-dispersible; and

10 (II) reacting a compound (C), which is capable of reacting with labile sulfur, either
with (a) the reaction mixture of step (I) after the reaction of (A) and (B) has begun or
(b) the product of step (I).

The additive has improved colour characteristics and a lubricating oil composition
15 comprising said additive is more benign to corrosion of metals.

