

CoMoS

1, 1, 1,2,\*  
 1 ; 2  
 (kylee@korea.ac.kr\*)

API value가 10° 가  
 NiMo/Al<sub>2</sub>O<sub>3</sub> . 가  
 , 가 . ,

CoMoS 1000  
 ppm 70 bar, 400 °C 4 . MoS<sub>2</sub>, CoMoS  
 , MoS<sub>2</sub>, CoMoS (NH<sub>4</sub>)<sub>2</sub>MoS<sub>4</sub> HSP(homogeneous sulfide  
 precipitation) MoS<sub>2</sub>, CoMoS  
 (ICP), Simulated distillation (Sim-dis) Elemental analysis (EA), Inductively coupled plasma  
 coke가 가 가  
 . CoMoS naphta, middle distillate, gas oil 가