INCREASING VI OF LUBE OIL BY HYDROTREATING USING BULK Ni Mn Mo OR Ni Cr Mo SULFIDE CATALYSTS PREPARED FROM LIGATED METAL COMPLEXES

ABSTRACT OF THE DISCLOSURE

Lube oils of increased VI are prepared by hydrotreating using bulk Ni/Mn/No or Cr/Ni/Mo sulfide catalysts prepared from ligated, e.g., ethylene diamine, metal complexes. In particular the Ni/Mn/Mo sulfide catalyst is prepared from the oxide, precursor with subsequent sulfiding while the Cr/Ni/Mo sulfide catalyst is prepared from the sulfide precursor in the presence of H_2S/H_2.

THIS SHEET HAS BEEN REPLACED