

AN OVERVIEW OF GROUP II / III LUBE BASE OILS TECHNOLOGY ABROAD

AN Jun - xin¹, LIU Xia²

(1. *PetroChina Lubricating Oil R&D Institute, Lanzhou 730060, China;*

2. *PetroChina Dalian Blending Plant, Dalian 116032, China*)

Abstract: Based on the hydrotreating, hydrocracking, catalytic dewaxing and isodewaxing technologies from Chevron, ExxonMobil and Shell companies, the all hydro - processing routes and integrated processing approaches of group II / III lube base oils abroad are introduced. The processing routes of group II / III lube base oils in refineries, such as SK, Richmond, Excel, Jurong, Baytown, Star and so on are also investigated. The results show that Chevron's ICR and IDW technologies will play a leading role in the hydro - technology of lube base oil; the revamping of existing units and the application of integrated approach of traditional technology and hydro - technology will also take a great progress in result of production cost.

Key Words: lube oil; hydrogenation technology; base oil; production technic; overview