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EXXONMOBIL RESEARCH AND ENGINEERING COMPANY [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, Gordon, H.** [US/US]; 9 Leslie Place, Newtown, PA 18940 (US).
CHINN, Kevin, A. [US/US]; 708 Cornwallis Drive, Mount Laurel, NJ 08054 (US).(74) Agents: **BAKUN, Estelle, C.** et al.; Exxonmobil Research And Engineering Company, 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

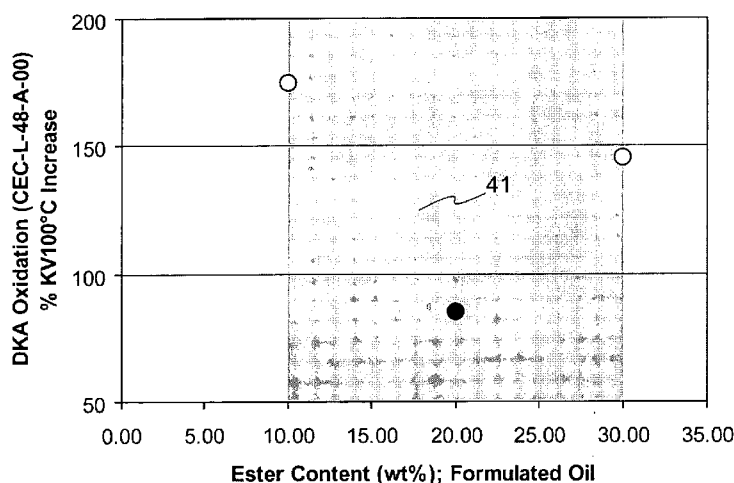
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(54) Title: IMPROVED HVI-PAO BI-MODAL LUBRICANT COMPOSITIONS

**FIGURE 4**

(57) Abstract: The invention relates to oil compositions containing metallocene catalyzed high viscosity index polyalphaolefins (HVI-PAO). In one embodiment the oil formulation comprises a metallocene catalyzed HVI-PAO with a viscosity greater than 125 cSt kv 100°C and a viscosity index greater than 100, a second base stock with a viscosity of at least 2 cSt kv 100°C and less than 60 cSt kv 100°C wherein the second base stock is at least 60 cSt kv 100°C less than the metallocene HVI-PAO, an ester with a viscosity of at least 2 and less than 6, the ester comprising more than 10 weight percent and less than 30 weight percent of the oil formulation, the oil formulation having a viscosity index of greater than 195. The use of metallocene catalyzed HVI-PAOs in a bi-modal blend provides advantages in improved shear stability, and other properties related to shear stability.