AU-A-26939/88 ESSO 18.12.87 H(4-A7, 4-E, 4-F2A, 4-F2E) N(1-C2, 2-F2, 4-D) 89-180138/25 H07 (H04) *FP -321-306-A EXXON RES & ENG CO 18.12.87-US-135032 (21.06.89) C10g-45/62 merise a Fischer-Tropsch wax (85.5% 700°F+) at 1000 psig using catalyst Lubricating oil prodn. by wax isomerisation and 0.45 LHSV. At 665°F and an H2 rate of 5040 scf/bbl, the comprising palladium on fluorided alumina conversion to 550°F- was 8.6 wt. 8 and the yield of dewaxed C89-079546 R(BE DE ES FR GB IT NL) oil was 59.0 wt. %. Using a similar Pt catalyst at 657°F and 7130 scf/bbl, the conversion was 9.1% and the yield was 48.9%. (9pp367CGDwgNo0/1). Prodn. of lube oil base stocks or blending stocks is effected (E) ISR: No Search Report. by isomerisation of wax using a catalyst comprising Pd on a fluorided Al2O3 or Al2O3-contg. support. ADVANTAGE The catalysts give higher dewaxed oil yields than catalysts comprising Pt on fluorided Al₂O₃. PREFERRED CONDITIONS The feed is a slack wax or synthetic wax, esp. a light paraffinic wax boiling in the 300-580°C range or a heavy microwax with a substantial fraction boiling above 600°C. The catalyst comprises 0.1-5 (esp. 0.1-1) wt.% Pd on gamma-Al₂O₃ contg. 1-11 (esp. 2-8) wt. % F.

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A 0.61% Pd/7.6% F/Al₂O₃ catalyst was used to hydroiso-

EXAMPLE