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(54) Title: LOWER ASH LUBRICATING OIL WITH LOW COLD CRANKING SIMULATOR VISCOSITY

(57) Abstract: A lubricating oil comprising: a) at least 5 wt% of lubricating base oil, made from a waxy feed, having > 10 wt% molecules with cycloparaffinic functionality, a ratio of molecules with monocycloparaffinic functionality to molecules with multi-cycloparaffinic functionality > 20, and b) a DI additive package; wherein the lubricating oil contains < 0.2 wt% VI improver and wherein the lubricating oil has a low sulfated ash and a low CCS viscosity at -200C. A lubricating oil with a kinematic viscosity at 1000C between 12.5 and 16.3 cSt with a low CCS viscosity comprising: a) a lubricating base oil, made with a waxy feed, having a viscosity index > 150, b) up to 75 wt% unconventional petroleum derived bright stock, c) a lower ash DI additive package, and d) < 0.2 wt% viscosity index improver. A process to make lubricating oil with a low sulfated ash and low CCS viscosity.



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