

ABSTRACT

LUBRICATING OIL COMPOSITION

A lubricating oil composition for reducing low-speed pre-ignition events or improving oxidation in a spark-ignited direct injection engine is disclosed. The composition includes a detergent additive which comprises either: an oil-soluble sulfonate including both magnesium and calcium as cations; or an oil-soluble salicylate including both magnesium and calcium as cations.

No Figure.