

Title (en)

LUBRICATING OIL COMPOSITIONS CONTAINING ZIRCONIUM AND METHOD FOR PREVENTING OR REDUCING LOW SPEED PRE-IGNITION IN DIRECT INJECTED SPARK-IGNITED ENGINES

Title (de)

SCHMIERSTOFFZUSAMMENSETZUNG ENTHALTEND ZIRKONIUM UND METHOD ZUR VERHINDERUNG ODER REDUZIERUNG VON LOW-SPEED-PRE-IGNITION IN DIREKTEINSPRITZMOTOREN

Title (fr)

COMPOSITION LUBRIFIANTE COMPRENANT ZIRCONIUM ET MÉTHODE À RÉDUIRE OU DIMINUER LOW-SPEED-PRE-IGNITION DES MOTEURS À INJECTION DIRECT

Publication

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Application

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Priority

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Abstract (en)

[origin: US2019016986A1] A lubricant composition for a direct injected, boosted, spark ignited internal combustion engine that contains at least one zirconium-containing compound is disclosed. This disclosure also relates to a method for preventing or reducing low speed pre-ignition in an engine lubricated with a formulated oil. The formulated oil has a composition comprising at least one oil soluble or oil dispersible zirconium-containing compound.

IPC 8 full level

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CPC (source: EP US)

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