

**LUBRICANT COMPOSITION SUITABLE FOR DIRECT FUEL INJECTED,  
CRANKCASE-SCAVENGED TWO-STROKE CYCLE ENGINES**

**ABSTRACT**

5 A lubricant composition is disclosed that is suitable for direct fuel injected,  
crankcase-scavenged two-stroke cycle engines. That lubricant composition  
has a major amount of at least one oil of lubricating viscosity, a minor amount  
of a lubricity additive, a polyalkyl amide, an imidazoline, a polyisobutylene,  
and a functionalized polyisobutylene. The lubricity additive contains glycerol  
10 monooleate, an acid aliphatic aromatic amine-phosphate, and sodium  
sulfonate. The acid aliphatic aromatic amine-phosphate has a  
phosphorus/oxygen atom ratio of from 4.0:1 to 4.5:1, and at least 1.2  
equivalents of acid to 1.0 equivalents of base.

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A-0810072