

ABSTRACT
TRUNK PISTON ENGINE OIL

A trunk piston engine lubricating composition for use as a Trunk Piston Engine Oil
5 (TPEO) having a base oil of lubricating viscosity and an additive composition made up of
a zinc dialkyl dithiophosphate (ZDDP) anti-wear additive and a detergent composition of
one or more detergents achieves acceptable asphaltene handling with reduced detergent
composition treat rate when the ZDDP selected has at least one ester moiety derived from a
primary alcohol. Thus, an effective TPEO composition has an additive composition
10 comprising a ZDDP with at least one ester moiety derived from a primary alcohol and the
additive composition is present in the lubricating composition in a 40 Base Number
equivalent amount of up to 15% w/w of the lubricating composition.

[No Suitable Figure]