

Title (en)

LUBRICANT COMPOSITION FOR MARINE ENGINE

Title (de)

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Title (fr)

COMPOSITION LUBRIFIANTE POUR MOTEUR MARIN

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Application

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Abstract (en)

[origin: WO2013045648A1] The present invention relates to a lubricant composition for a 4-stroke or 2-stroke marine engine comprising at least one lubricant base oil for a marine engine, at least one olefin copolymer, at least one hydrogenated styrene/isoprene copolymer, at least one glycerol ester and at least one detergent, the use of which favours fuel savings, having good properties in terms of engine cleanliness, in particular in terms of crankcase cleanliness.

IPC 8 full level

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Citation (examination)

- WO 2011005741 A1 20110113 - LUBRIZOL CORP [US], et al
- WO 2007061699 A2 20070531 - EXXONMOBIL RES & ENG CO [US], et al
- WO 2010099136 A1 20100902 - LUBRIZOL CORP [US], et al

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