

Title (en)
LUBRICATING OIL COMPOSITION FOR AUTOMATIC TRANSMISSIONS

Title (de)
SCHMIERÖLZUSAMMENSETZUNG FÜR AUTOMATISCHES GETRIEBE

Title (fr)
COMPOSITION D'HUILE LUBRIFIANTE POUR TRANSMISSIONS AUTOMATIQUES

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Application
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Abstract (en)
The present invention relates to a lubricating oil composition for an automatic transmission obtainable by the addition to a base oil of: a compound represented by general formula (I), <CHEM> (wherein in general formula (I), R<1> and R<2> may be identical or different from each other and are each hydrocarbon groups having 5 or more carbons; R<3> is a hydrocarbon group having 1 to 5 carbons; R<4> is a hydrogen atom or a hydrocarbon group having 1 to 20 carbons, wherein said hydrocarbon group may include an amino group and/or amide bond; and n is an integer of 0 to 10); 0.02% by weight to 5% by weight of at least one metal salt of an organic acid selected from the group consisting of sulfonates, phenates, salicylates and phosphonates; and at least one type selected from the group consisting of phosphate esters, acid phosphate esters, phosphite esters and acid phosphite esters. The present invention also provides a method of lubricating an automatic transmission fitted with a continuously slipping torque converter clutch using said automatic transmission lubricating oil composition; and an automatic transmission filled with said automatic transmission lubricating oil composition. A lubricating oil composition for an automatic transmission is used in an automobile automatic transmission provided with a continuously slipping torque converter clutch. It exhibits the remarkable effects of sufficient transmission torque capacity and high anti-shudder property even when the lock-up mechanism is operated at low speeds.

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