

Title (en)  
LUBRICATING OIL COMPOSITION FOR WET CLUTCH OR WET BRAKE.

Title (de)  
SCHMIERÖLZUSAMMENSETZUNG FÜR FEUCHTE KUPPLUNGEN ODER FEUCHTE BREMSSEN.

Title (fr)  
HUILE LUBRIFIANTE POUR EMBRAYAGES OU FREINS A DISQUE HUMIDE.

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Application  
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Abstract (en)  
A lubricating oil composition for wet clutches or wet brakes, which comprises a base oil and an inorganic phosphorus compound which may contain sulfur and/or oxygen atom(s) as the constituent element(s) or an amine salt of said compound, or which comprises a base oil, said inorganic phosphorus compound or amine salt thereof, and further an organic polyol compound having at least two hydroxyl groups in its molecule. This composition realizes excellent friction characteristics in wet clutches and brakes, in particular, a high  $\mu_d$  (coefficient of kinetic friction) and a high  $\mu_s$  (coefficient of static friction), a satisfactory suppression of vibration in lock-up clutches, an excellent persistence of the effect of vibration suppression, and the temperature-independency of the coefficients of friction. Hence this composition is useful as shock absorber oil, power steering oil, hydraulic suspension oil and so forth.

Abstract (fr)  
Huile lubrifiante pour embrayages ou freins à disque humide, comprenant une huile de base et un composé de phosphore inorganique pouvant contenir du soufre et/ou un ou plusieurs atomes d'oxygène comme élément(s) constitutif(s), ou un sel d'amine de ce composé, ou comprenant une huile de base, ledit composé de phosphore inorganique ou un sel d'amine de ce composé, ainsi qu'un composé de polyol organique dont la molécule comporte au moins deux groupes hydroxyle. Cette composition destinée aux embrayages ou freins à disque humide présente d'excellentes caractéristiques de friction, et notamment un coefficient de friction cinétique ( $\mu_d$ ) et un coefficient de friction statique ( $\mu_s$ ) élevés, une suppression satisfaisante de vibrations dans les mécanismes de verrouillage, et une excellente persistance de l'effet de suppression de vibrations, les coefficients de friction étant indépendants de la température. Cette huile peut être utilisée dans des organes amortisseurs, de direction assistée, de suspension hydraulique, etc.

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