

POWER TRANSMISSION FLUIDS WITH ENHANCED ANTISHUDDER DURABILITY AND HANDLING CHARACTERISTICS

ABSTRACT

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A finished power transmitting fluid having enhanced friction durability and improved μ/v characteristics on paper, steel and advanced friction materials such as carbon fiber, and which may provide a lubricant composition that carries minimal concern for skin sensitization and related health, safety, and environmental issues, can
10 contain lubricating base oil, a friction modifier produced by reacting a polyamine with an aliphatic mono acid such as oleic or isostearic acid under conditions to form a mixture of 1,2-disubstituted imidazoline containing components, wherein further acylation of residual active nitrogens with mono or diacids or anhydrides affords friction modifier compositions having enhanced frictional and handling characteristics.

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(FIG. 1)