

**POWER TRANSMISSION FLUIDS
WITH IMPROVED VISCOMETRIC PROPERTIES**

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ABSTRACT

A copolymer which can be used in power transmission fluids to provide improved viscometric properties is disclosed. The copolymer includes a mixture of alcohols having side chains with an average number of carbons ranging from greater than 8 to less than 12 defined by the following formula:

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$$C_n = \frac{\sum_{i=j}^{i=z} X_i C_{ni}}{\sum_{i=j}^{i=z} X_i}$$

where X_i is the mole fraction of alcohol (i); C_{ni} represents the number of carbon atoms in alcohol (i); j is the lowest number of carbons in an alcohol in the copolymer and must be at least 6; and z is the highest number of carbons in an alcohol.

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(No Fig.)