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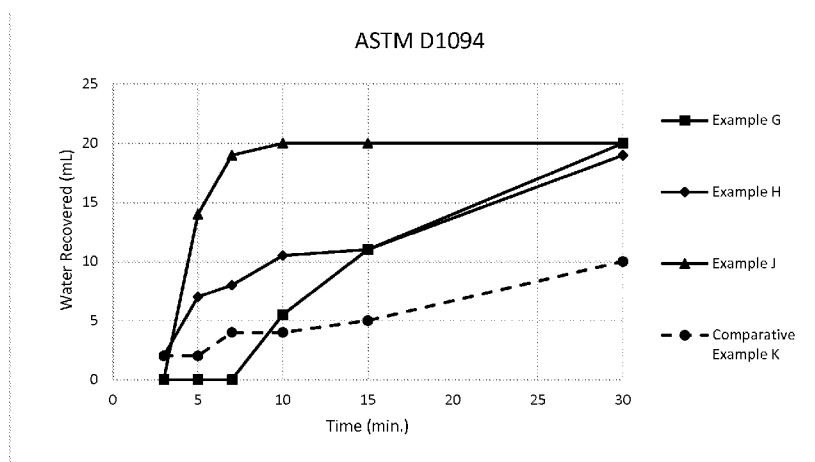


FIG. 1

(57) Abstract: The present technology is related to coupled quaternary ammonium salts, and the use of such coupled quaternary ammonium salts in fuel and oil compositions, or demulsification and/or engine performance of the compositions.