

ABRASIVE GEL DETERGENT FOR CLEANING GAS TURBINE ENGINE COMPONENTS

ABSTRACT OF THE DISCLOSURE

The present disclosure is directed to a method for in-situ cleaning one or more components of a gas turbine engine using an abrasive gel detergent. More specifically, the gel detergent includes a plurality of abrasive particles suspended in a gel composition. Further, the abrasive particles include organic material. Moreover, the gel composition is formed of a mixture of detergent particles dissolved in a gel reactant. Thus, the method includes injecting the gel detergent into at least a portion of the gas turbine engine at a predetermined pressure. In addition, the method includes allowing the gel detergent to flow across or within one or more of the components of the gas turbine engine so as to clean one or more of the components.

[Fig. 3]