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JP8 Reformation for Combat Vehicles

Authors: [TACOM RESEARCH DEVELOPMENT AND ENGINEERING CENTER WARREN MI](#)

Abstract: Objectives: Reduce sulfur content in raw JP8 fuel to less than 1 ppmw; Demonstrate successful system integration by reforming desulfurized product to generate hydrogen at 10 kWe rate. Key technology development: 1. Hydrodesulfurization (HDS) system- reduce sulfur content to < 10 ppmw. 2. Sulfur Polishing- reduce sulfur content to < 1 ppmw. 3. Fuel Reformer- sustained, stable operation using HDS product.

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