

Differences in the Physical Characteristics of Diesel PM with Increasing Biofuel Blend Level

Andrea Strzelec, Stuart Daw, Jane Howe, Harry Meyer & Michael Lance

Oak Ridge National Laboratory

Randy Vander Wal

USRA

David Foster, Christopher Rutland

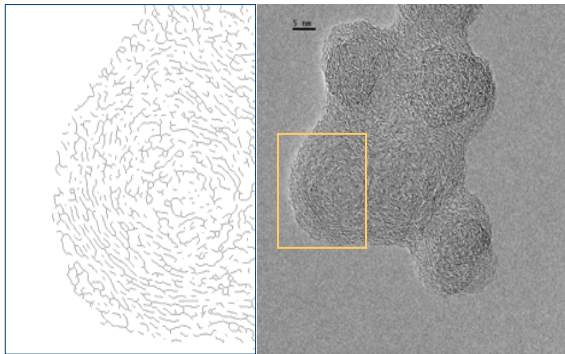
University of Wisconsin-Madison

This research was funded by the US DOE Office of Vehicle Technology, Sponsors Gurpreet Singh, Ken Howden & Kevin Stork

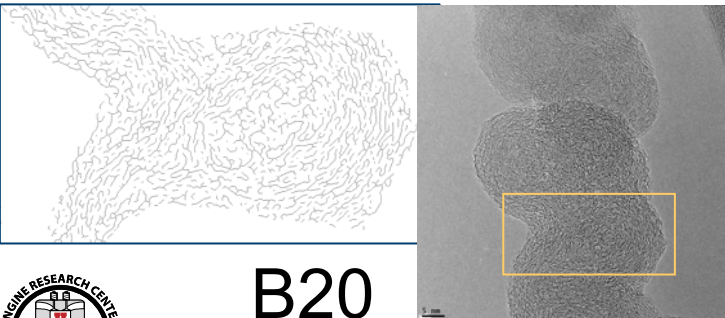


Objective:

Measure the physical characteristics, carbon state (hybridization, lamella length) and surface bound oxygen of soot from several biodiesel blends in ULSD (B0 to B100) to evaluate how level of biodiesel blend influences oxidation behavior.



ULSD



B20

