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NONPERSISTENT EMULSIFYING DEGREASER TEST RESULTS

ABSTRACT The Navy's cleaning of bilges and ship tanks generates emulsified oily wastewaters that are a hazardous waste treatment and disposal problem. Alternative degreasers that do not generate emulsified oily wastewater were evaluated. Thirty-six degreasers, including eight degreasers currently in use in the Navy, were tested in the laboratory using performance criteria established for this effort. Laboratory test results show that only two degreasers out of the 36 tested passed all the criteria. Five degreasers failed to meet only one or two parts of the criteria. These five degreasers show exceptional cleaning characteristics and/or oil-water separation and may be suitable for cleaning operations other than bilge cleaning. Field tests of the seven top performing nonpersistent emulsifying degreasers are recommended to verify proposed performance criteria.

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