



Sustainable Technology Evaluation and Demonstration (STED) Program

Biobased Two-Cycle Engine Oils



Technology Description

Biobased oils for use in 2-cycle engines to provide lubrication, decreased spark plug fouling, reduced deposit formation, and/or reduced engine wear

Potential Impact

- Improved worker safety.
- Minimum 34% biobased content.
- Biodegradable - Reduced spill/clean up costs.
- Reduce negative impact to vegetation, soil, and water quality.
- Reduce dependence on foreign oil.

Benefits

- BioPreferred Product Category: expand markets for domestic agricultural products.
- Assists installations in meeting federal acquisition regulations and preferred procurement programs.
- Reduction in smoke exposure to operators.

Demonstration Sites

- Marine Corps Mountain Warfare Training Center (MCMWTC).
- Joint Base Lewis-McChord (JBLM).
- Joint Base Charleston (JBC).

For additional information please contact:

- osd.mc-alex.ousd-a-s.mesg.dod-sted-program-mbx@mail.mil
- Department of Defense (DoD) Sustainable Products Center (SPC):
<https://www.denix.osd.mil/spc/index.html>



MCMWTC