

**DoD Executive Agent**

Office of the  
Assistant Secretary  
of the Army  
Installations, Energy and  
Environment

# Green Product Evaluation and Demonstration

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The NDCEE is operated by:



*Concurrent Technologies Corporation*

**Technology Transition – Supporting DoD Readiness, Sustainability, and the Warfighter**

# Approach

- Identify biobased product manufacturers and collect technical product information for biobased product categories designated by the Federal BioPreferred Program relevant to products managed by DLA.
- Evaluate biobased product technical information versus the requirements of applicable Government specifications and identify products as potential alternatives to petroleum based and non-biobased products.
- Perform outreach to DoD facilities to identify currently used green products and to identify opportunities to evaluate green alternatives to the currently used non-green products.
- Perform tri-service demonstrations of green products at DoD facilities.

# Accomplishments and Results

<b>Biobased Product Item Category</b>	<b>Number of Products Evaluated</b>	<b>Number of Manufacturers Participating</b>
Hydraulic Fluids	80	19
Diesel Fuel Additives	11	7
Penetrating Lubricants	16	10
Metalworking Fluids	62	8
Sorbents	72	17
Adhesive and Mastic Removers	25	19
Greases	18	5
Glass Cleaners	11	11
Firearm Lubricants	8	2
Chain, Cable, and Gear Lubricants	33	13
Corrosion Preventatives	19	10
Industrial and Multipurpose Cleaners	114	40
Parts Wash Solutions	22	9
Heat Transfer Fluids	11	6
Slideway Lubricants	4	2
Multipurpose Lubricants	14	12

**Total of 520 products evaluated**

# Accomplishments

- NDCEE Tasks

- Performed outreach to DoD facilities to determine current green product usage and identify potential areas to demonstrate alternatives to currently used non-green products.
- Demonstration of biobased penetrating lubricants and biobased sorbents conducted at Ft. Jackson, Ft. Bragg, Ft. Meade, South Carolina Army National Guard (SCARNG), Joint Base Charleston (JBC), Marine Corps Recruit Depot (MCRD) Parris Island, Naval Hospital Beaufort (NHB) and the Pentagon.



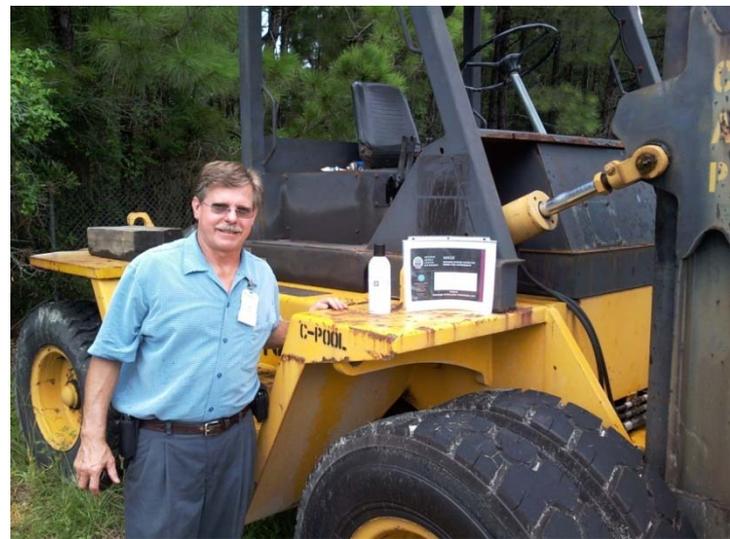
Logistics Readiness Squadron  
Joint Base Charleston

# Biobased Penetrating Lubricants Demonstrations

- Biobased penetrating lubricants were demonstrated at Fort Jackson, SCARNG, JBC, MCRD Parris Island, NHB and the Pentagon.
- Demonstrations are in progress at Fort Bragg, Fort Meade, Joint Base Lewis McChord (JBLM), Naval Base Kitsap at Bangor (NBKB), Marine Corps Base (MCB) Camp Pendleton, Marine Corps Air Ground Combat Center (MCAGCC) 29 Palms.
- Products meet the requirements of A-A-50493.



TACOM, Fort Jackson



Naval Weapons Station, Joint Base Charleston

# Biobased Sorbent Demonstrations

- Biobased sorbent products from five manufacturers were demonstrated at Fort Jackson, SCARNG, JBC, MCRD Parris Island, NHB and the Pentagon.
- Demonstration are in progress at Fort Bragg, Fort Meade, JBLM, NBKB, MCB Camp Pendleton, MCAGCC 29 Palms.



Exercise Support Division, MCAGCC 29 Palms



Vehicle Maintenance -Logistics Readiness Squadron Joint Base Charleston

# Path Forward

- Continue to pursue new projects with Military Services and Agencies that will accelerate the identification of green substitutes and alternatives.
- Work with Services to facilitate the development of new National Stock Numbers (NSNs) for Green Alternatives
- Support Acquisition Policy and Cataloguing Communities in developing new processes and cataloging strategies.



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