CORTEC® CORPORATION
SHORT/LONG-TERM VEHICLE
STORAGE PROCEDURES
What is the CORTEC Method of Storage?

Thorough Cleaning of Vehicle/Equipment
Introduction of Corrosion Protection Additives, VpCI s (Vapor Phase Corrosion Inhibitors) in All Systems (Hydraulic, Fuel, Grease, Oil, Coolant, and Air Reservoirs)
Application of VpCI s in the Electrical Systems and Installation of VpCI Emitters in Electrical Boxes
Application of VpCI s Sprayed On Complete Exterior Asset Is Surrounded With VpCI s Using A Shrink Wrap Bag or MilCorr Bags Are Saturated With VpCI s During the Manufacturing Process
Pre-storage Preparation: Cleaning

Wash Vehicle Body and Undercarriage Thoroughly Using VpCI™-415. (Refer to Applicable T.O. for Dilution Instructions)
Ensure to Clean Cabs, tool Compartments, Equipment Storage Areas, and Other Places As Required
VpCI™-415 May Be Used With Sprayer, Steam Cleaner, Pressure Washer, Brush, Sponge, Or Cloth
Drain Thoroughly and Dry
Ensure All Drain Holes Are Open
Pre-storage Preparation: Cleaning

Vehicles/Equipment That Cannot Be Completely Cleaned and Rust Free
Spray Wheel Wells and Undercarriage With VpCI -368 At A Thickness of 3-5 Mils
For Dessert Applications on Clean Assets
Spray Coat Entire Vehicle/Equipment With VpCI -386 Clear Gloss or Matte
Apply Two Coats At A Thickness of 2-3 Wet Mils
CORTEC Fluid Additives

M640L = 5% of Coolant Reservoir Capacity
VpCl -323 = 20% of Oil Reservoir Capacity
VpCl -322 = 20% of Hydraulic Type Fluid Capacity (NONOIL)
VpCl -705 = 2% of Fuel Reservoir Capacity or One Pint for Every 10 Gallons of Fuel

During Maintenance, Fill With Appropriate Percentage of VpCl Fluid Needed
Fill Reservoir to Appropriate Level With Required Fluid Less VpCl
More Is Not Always Better! Top off With Regular Fluid to Required Fluid Level!
CorrLube Grease

Apply Grease to All Applicable Zirc Fittings
Excess Grease Removal Is Not Necessary
CORTEC  Exterior Spray Applications

Apply CorrShield VpCI™-368 Spray to All Non-Moving Bare Metals for Optimal Protection

In Desert Applications Spray VpCI™-386 Clear Gloss or Matte
Apply CorrShield VpCI™-369 Spray to Moving Components Such As; Hydraulic Cylinders, Hinges, Rollers, Chains, Wire Rope, Etc..

CorrShield VpCI™ 368

CorrShield VpCI™ 369
ElectiCorr VpCl  238 Spray

Spray All Electrical Components/Connectors, Panel Boxes, Motors, Wiring, Battery Boxes/Posts, Lights, and Under Dash Board
For Enclosed Panel Boxes, Fogging Is All That Is Necessary
Ensure to Add Emitters to Boxes Prior to Fogging
Application of Emitting Devices
VpCI™s 101 & 105

- VpCI™-101s Used in One Cubic Foot Boxes
- VpCI™-105s Used in Five Cubic Foot Boxes
- Both Can Be Used in Multiple Locations
- Place At Least Two Under Dash Board
VpCl -132 Foam Pads

Place in Large Void Spaces
Place At Least One Per 20 Cubic Feet
Inside Cab, Inside Truck Beds, Under Vehicle/Equipment Body
This Is Accomplished Once the Film Is in Place Prior to Shrink Wrapping
Padding

- Cut Padding for All Sharp Edges
- Flame Retardant Padding Is Preferred.
- Rope Void Spaces to Create Tent; Aids in Preventing Water Accumulation
- Use of Battery Upkeep Systems Such As Solargizers Work Extremely Well On All WRM Vehicles
Position Vehicle/Equipment On VpCI
Plastic/MilCorr Material
Jack Stand/Block Placement

Relieve Weight From the Tires By Putting the Vehicle/Equipment Up On Jack Stands/Blocks
Consult the Vehicle Manual for Approved Jacking Points and Placement of Jack Stands/Blocks
Jack Stands/Blocks Should Sit On Padding to Protect Corners
Application of the Shrink Wrap
Excess Material Usage

Make Certain To Leave Roughly 2-3 Foot Of Excess Material On All Sides Of Vehicle/Equipment
Excess Is Used For Seaming
Sides Are Now Ready For Seaming
Initially, Go Completely Around Vehicle/Equipment, Seam Only Half Of Overlap
Finally, Heat Remainder Of Excess Leaving A 12-18 Seam
Shrinking Material

Apply Heat to Entire Surface of Material; Shrinking It Up Tight to the Vehicle. Ensure to Shrink Material Snug Enough Not to Allow Any Flapping During High Winds.

Apply Heat to the Bottom to Draw Material Up off the Floor; This Aids in Creating An Air Tunnel Under the Vehicle.

Shrink in Patches, Moving From Area to Area, Ensuring Not to Leave Heat On One Spot Too Long.
Sealing the Bag
Small Hole/Tear Repairs

Tape/Silicone Sealer Is Applied to Seal Any Small Holes/Tears
During/After the Wrap Process, Small Slices Are Made to Install the Solargizer Panel and Transformer
Ensure to Place Transformer On top of Material for Optimum Charging
Vehicle/Equipment Identification

Fasten A Permanent Means to Identify Asset:
Registration Number
Date Bagged
Model of Asset
Using Organization
### Current CORTEC Customers

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<tr>
<th>US Air Force</th>
<th>NASA</th>
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<tbody>
<tr>
<td>US Coast Guard</td>
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<td>Smith &amp; Wesson</td>
<td>GE Turbines</td>
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<td>McDonnell Douglas</td>
<td>And Many More!!</td>
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Storage Benefits

- Reduced Maintenance Costs
- Labor/Parts Associated With Exercising Quarterly
- Reduced Operational Costs
- No Exercising (Labor and Fuel)
- Environmental Impact
- Enhanced Mission Readiness
- Reduced Breakout Time (Average of 5 Hours to 21 Minutes)
- Overall Cost Reduction, 40-60%
- Minimization of Hazardous Waste Stream
CORTEC Process

Corrosion Protection and Packaging

CORTEC is used extensively in civilian industry for long/short-term storage and shipment of equipment.

CORTEC has the most diverse offering of contact and vapor phase corrosion inhibitors (VpCI).

VpCI's circulate in the enclosed atmosphere of CORTEC bagged equipment and interior void spaces.

VpCI's bond to the metal surface under moisture, and will significantly reduce corrosion rates.

VpCI's protect metal products from corrosion to include galvanic, rust, tarnish, stains, white rust, and oxidation.

VpCI's are in all CORTEC storage preservation products/materials.

Strong potential to revolutionize vehicle/equipment storage/preservation AF-wide.
WHAT WE ALL KNOW!

CORTEC® Is the Leading Edge in Corrosion Prevention/Protection

Corrosion Produces A Less Than Desirable Asset

Extend the Life of Your Fleet and Increase Mission Reliability/Readiness

Applicable On Many AF Assets

Strong Potential to Revolutionize Vehicle/Equipment Storage/Preservation AF-Wide

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