CORTEC® CORPORATION SHORT/LONG-TERM VEHICLE STORAGE PROCEDURES

★★★ 1

What is the CORTEC™ Method of Storage?

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

2 ★★★

Pre-storage Preparation: Cleaning

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

★★★ 3

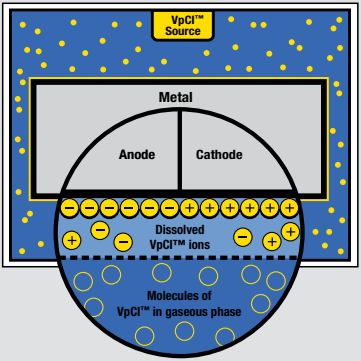
Pre-storage Preparation: Cleaning

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

4 ★★★

CORTEC™ Fluid Additives

- M640L = 5% of Coolant Reservoir Capacity
- VpCI®-323 = 20% of Oil Reservoir Capacity
- VpCI®-322 = 20% of Hydraulic Type Fluid Capacity (NONOIL)
- VpCI®-705 = 2% of Fuel Reservoir Capacity or One Pint for Every 10 Gallons of Fuel
- During Maintenance, Fill With Appropriate Percentage of VpCI® Fluid Needed
- Fill Reservoir to Appropriate Level With Required Fluid Less VpCI®
- More Is Not Always Better! Top off With Regular Fluid to Required Fluid Level!



★★★ 5

CorrLube Grease

Ą Apply Grease to All Applicable Zirc Fittings
Ą Excess Grease Removal Is Not Necessary

6

CORTEC™ Exterior Spray Applications

Ą Apply CorrShield VpCI$-368 Spray to All Non-Moving Bare Metals for Optimal Protection
Ą In Desert Applications Spray VpCI$-386 Clear Gloss or Matte
Ą Apply CorrShield VpCI$-369 Spray to Moving Components Such As; Hydraulic Cylinders, Hinges, Rollers, Chains, Wire Rope, Etc..

CorrShield VpCI$ 368

CorrShield VpCI$ 369

★★★ 7

ElectiCorr VpCI§ 238 Spray

Ą Spray All Electrical Components/Connectors, Panel Boxes, Motors, Wiring, Battery Boxes/Posts, Lights, and Under Dash Board
Ą For Enclosed Panel Boxes, Fogging Is All That Is Necessary
Ą Ensure to Add Emitters to Boxes Prior to Fogging

8

Application of Emitting Devices VpCIŐs 101 & 105

- VpCI®-101Ős Used in One Cubic Foot Boxes
- VpCI®-105Ős Used in Five Cubic Foot Boxes
- Both Can Be Used in Multiple Locations
- Place At Least Two Under Dash Board

★★★ 9

VpCI$ -132 Foam Pads

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

10 ★★★

Padding

Ą Cut Padding for All Sharp Edges
Ą Flame Retardant Padding Is Preferred.
Ą Rope Void Spaces to Create Tent; Aids in Preventing Water Accumulation
Ą Use of Battery Upkeep Systems Such As Solargizers Work Extremely Well On All WRM Vehicles

★★★ 11

Position Vehicle/Equipment On VpCI[§] Plastic/MilCorr Material

12 ★★★

Jack Stand/Block Placement

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

★★★ 13

Application of the Shrink Wrap

Excess Material Usage

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

★★★ 15

Shrinking Material

Ą Apply Heat to Entire Surface of Material; Shrinking It Up Tight to the Vehicle.
Ą Ensure to Shrink Material Snug Enough Not to Allow Any Flapping During High Winds.
Ą Apply Heat to the Bottom to Draw Material Up off the Floor; This Aids in Creating An Air Tunnel Under the Vehicle.
Ą Shrink in ŇPatchesÓ, Moving From Area to Area, Ensuring Not to Leave Heat On One Spot Too Long

Sealing the Bag

★★★ 17

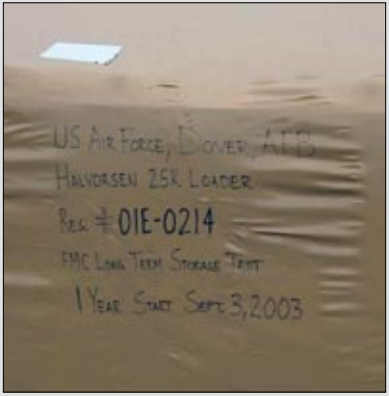
Small Hole/Tear Repairs

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

18 ★★★

Vehicle/Equipment Identification

- Fasten A Permanent Means to Identify Asset:
- Registration Number
- Date Bagged
- Model of Asset
- Using Organization



Current CORTEC™ Customers

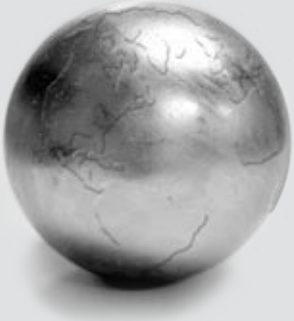
- US Air Force
- US Coast Guard
- US Marine Corp
- US Navy
- US Air Force
- Indian Navy
- Israeli Air Force
- Croatian Military
- Smith & Wesson
- McDonnell Douglas
- NASA
- Dynacorp
- Flyer Industries
- Alliant Tech Systems
- Raytheon
- Delco Defense
- Lockheed Martin
- Boeing
- GE Turbines
- And Many More!!

Storage Benefits

Ą Reduced Maintenance Costs
Ą Labor/Parts Associated With Exercising Quarterly
Ą Reduced Operational Costs
Ą No Exercising (Labor and Fuel)
Ą Environmental Impact
Ą Enhanced Mission Readiness
Ą Reduced Breakout Time (Average of 5 Hours to 21 Minutes)
Ą Overall Cost Reduction, 40-60%
Ą 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)
- VpCIÕs Circulate in the Enclosed Atmosphere of CORTEC® Bagged Equipment and Interior Void Spaces
- VpCIÕs Bond to the Metal Surface UNDER Moisture, and Will Significantly Reduce Corrosion Rates
- VpCIÕs Protect Metal Products From Corrosion to Include Galvanic, Rust, Tarnish, Stains, White Rust, and Oxidation
- VpCIÕs 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

Contact Information

- Larry Mudd (USAF Retired)
- Military Specialist
- Cortec® Corporation
- Toll Free: (877)628-9981
- International: (618)628-9981
- Cell Phone: (618)975-0489
- Fax: (618)628-9985
- Cindie Hutchison
- Military Specialist
- Cortec® Corporation
- Toll Free: (866)258-6024
- International: (850)478-8868
- Cell: (850)377-4232
- Fax: (850)475-8868

CORTEC CORPORATION

Environmentally Safe VpCI™/MCI® Technologies