

Our Story...

Lear Chemical has been successfully developing and compounding anti corrosion lubricants and greases since 1979. For over thirty years we have been effectively solving corrosion related problems in the Automotive, Aviation, Industrial, Marine, Powersports and Recreational industries. Our technical success is balanced by combining laboratory testing with specific field evaluations to ensure that each formula produced meets advertised claims and customer expectations.

As a value added service Lear Chemical offers custom formulating services for clients desiring Private Label formulations that incorporate proven technologies, found in our commercial product lines. Research and development is not just a part of our name...
It's who we are.



Why Consider ACF-50:

ACF-50, Anti Corrosion Formula, is a state of the art anti-corrosion lubricant compound, specifically designed for the Aero Space Industry. ACF-50's unique chemistry offers excellent penetration, coupled with an unmatched 24 months of "active" corrosion protection.

Designed specifically to perform as both a Corrosion Inhibiting Compound (CIC) and a Corrosion Prevention Compound (CPC). ACF-50's blend of non-flammable, non-toxic, polar bonding inhibitors and moisture-displacing additives penetrate deep into corrosion cells to actively remove electrolytes. No longer in contact with the metal surface, these electrolytes evaporate. ACF-50's resulting dielectric fluid film acts as an "off-switch" for the corrosion process.

- ◇ Complete anti-corrosion solutions for airframe, avionics and ground support equipment.
- ◇ Significantly reduces corrosion events in both Structure & Avionics.
- ◇ Ultra Thin Film promotes weight reduction, improving payload capacity.
- ◇ ACF-50 is blended utilizing superior quality control ISO 9002 standards and has an excellent customer satisfaction record with a 0.0% return rate.
- ◇ Removal not required for re-application, creates no HAZMAT residue.
- ◇ ACF-50 is Non-Toxic according to EPA / OSHA standards.
- ◇ VOC compliant world wide.





KILLS CORROSION ON CONTACT

**FUSELAGE • STABILIZERS • AVIONICS • MICRO SWITCHES
CANNON PLUGS • ANTENNA MOUNTS**

ACF-50 Applications

Single Engine & Light Twins

Spray into: wing sections, hinges, teleflex cables, air vent cables, trim cables, throttle cables, battery boxes, engine compartments

Rotorwing Aircraft

Spray into: tail boom section, engine gear, air vent cables, rotor head, grip areas. Spray or wipe on blades.

Cargo & Regional Airlines

Spray into: wing sections, landing gear compartments, cargo door, brackets, garbage chutes, galleys, lavatory areas, belly skin sections, main spar sections, seat tracks.

Float Equipped & Amphibious

Spray into: floats, wing sections, bilge area, exterior of motors, connectors.

Turbo Props / Business Jets

Spray into: trim drum actuators, landing gear and compartments, wheel hubs, thrust reverse mechanisms. Wipe on nacelles.

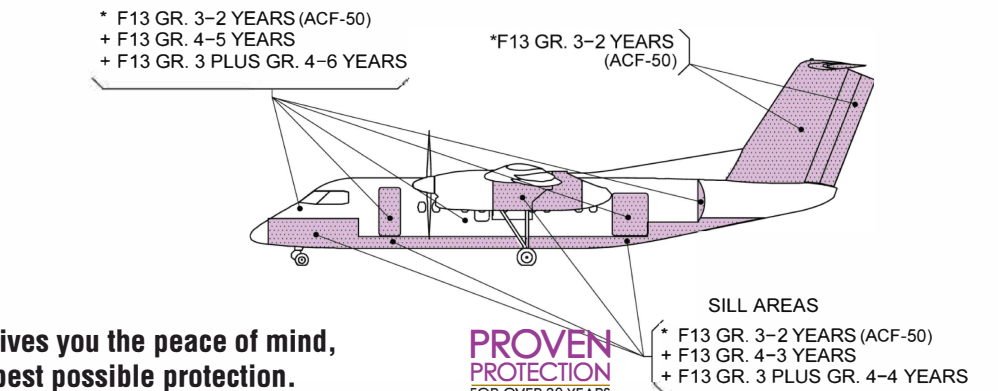
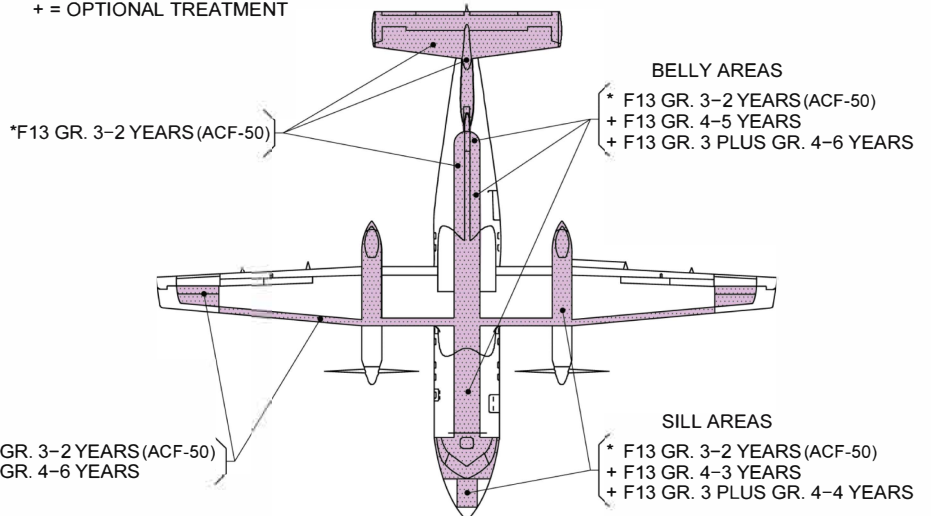


BOMBARDIER

DASH 8 100-300

AIRCRAFT MAINTENANCE MANUAL

* = STANDARD TREATMENT
+ = OPTIONAL TREATMENT



ACF-50 "The Professionals Choice" gives you the peace of mind, that your investment is receiving the best possible protection.

PROVEN PROTECTION
FOR OVER 30 YEARS



DISTRIBUTED BY

parts@kadexaero.com / Toll Free: +1-888-523-3988 / International: +1-705-742-9725 / www.kadexaero.com

Prevents and Deactivates Existing Corrosion

ACF-50 Corrosion Abatement Procedure

2024-T3 Aluminium Fogged in a Sulfurous Acid/Salt For for 192 hours

Panels pretreated with ACF-50 showed an average weight loss of only **1.9 mg**.



Conclusion:
ACF-50 prevents the formation of new corrosion cells.

Untreated panels showed and average weight loss of **150.1 mg**.



Conclusion:
Untreated panels corrode rapidly.

Untreated panels exposed for 96 hours, then treated with ACF-50 and exposed for an additional 96 hours showed a loss of only **69.8 mg**.



Conclusion:
ACF-50 stops the corrosion process on contact.

ACF-50 Performance Qualified

MIL-PRF 81309

CHARACTERISTICS / REQUIREMENTS	RESULTS
- Minimum flash point / 60°C (140°F)	Conforms / 175°F
- Synthetic Sea Water Displacement / No visible corrosion	Conforms
- Removability / Not more than 3 cycles to remove	Conforms
- Abrasives / Not present	Conforms
- Maximum Film Thickness / Type II: 0.0005 inches	Conforms
- Sprayability / Sprayable	Conforms
- Corrosivity / No visible corrosion	Conforms
- Staining / No visible evidence of staining	Conforms
- Minimum Dielectric Breakdown / 25,000 volts	Conforms / 38,000 volts
- Mixability of Compounds / No evidence of separation	Conforms
- Lubricity of Compounds / Less than 0.20	Conforms
- Effect on Electric Components / No change	Conforms
- Effect on Electric Connectors / No increase in resistance	Conforms

Additional Test Data

TEST IDENTITY	TEST METHOD	RESULTS
BMS 3-23E	- Flash Point / ASTM D93	Pass
BMS 3-23E	- Sprayability / MIL-C-1617D	Pass
BMS 3-23E	- Low Temperature Adhesion / MIL-C-1617D	Pass
BMS 3-23E	- Nonvolatile Content / ASTM D1644	Pass
Douglas Aircraft CSD #1	- Painted Surfaces / ASTM F 502	Conforms
Douglas Aircraft CSD #1	- Stress Cracking Acrylic Plastics / ASTM F 484	Conforms
Douglas Aircraft DMS 2150	- Product Composition / ASTM D-1644A	Conforms
Douglas Aircraft DMS 2150	- Toxicity / ASTM B-117	Conforms
Volatile Organic Content	- California Air Quality Compliant / ASTM 2369	166.9g/L
Water Displacement Ability	- MIL-C-1617D	Conforms
Corrosion Inhibiting	- FED-STD 791 / ASTM G 34	Pass
Airbus Industrie TNA 007.10138	- Corrosion Resistance To: Turco Toilet Fluid, Orange Juice, Coke, Coffee, De-Icing Fluid 3:4-1:2-1:4, %5 NaOH, %5 HCl, 5% HNO ₃ , %10 CH ₃ COOH, %45 Ethanol	

Reduced Maintenance Costs
Improved Reliability



BOMBARDIER

DASH 8 100-300
Corrosion Preventative Compound
Electrical System - SYD-8-20-001
Structural AMM-51-31-00 REF 13-16
BAMS 565-006 TYPE III



ATR REGIONAL TRANSPORT • ATR 42-72

Corrosion Protection
Ref. JIC-122351-PRO-10 000



EMBRAER / EM RJ 130-145

Periodic Lubrication of Landing Gear
SNL 145-32-0035 Nov/2008



BAE SYSTEMS • BAE 146-100

Corrosion Preventative Compound
Material Spec 89/042



HAWKER-BEECHCRAFT / BEECH 1900C-D

Corrosion Control
Manual 114-590021-197



AEROCOMMANDER

AIR TRACTOR

BOEING HELICOPTER

BELL HELICOPTER TEXTRON

BRITISH AEROSPACE

CANADAIR

CESSNA

CIRRUS

CONCORDE BATTERY

ENSTROM

ENSTROM

ERICKSON

EXTRA AIRCRAFT

GE ENGINES

GULFSTREAM AEROSPACE

HILLER AIRCRAFT

LAKE AIRCRAFT

LOCKHEED MARTIN

MCDONNELL DOUGLAS CORP

MD HELICOPTER

MOONEY AIRCRAFT

PILATUS AIRCRAFT

PIPER

PRATT & WHITNEY

ROBINSON

ROLLS ROYCE

SAFRAN ENGINES

SIKORSKY

SCHWEIZER

VAN AIRCRAFT

WIPAIRE

The FAA also recognizes ACF-50 as a "Suitable Corrosion Preventative Compound"



A treatment with ACF-50 every two years puts airframe corrosion in a permanent holding pattern...

**13 oz Aerosol
Part #: 100032**



Providing protection for:
Leading Edges • Inlet Rings
Actuators • Landing Gear Mechanisms
Galley/Lavatory Structures • Seat Tracks
Door Sils • Electrical Contacts

**32 Bottle with Spray Atomizer
Part #: 100013**



4Ltr / 5 Gallon Bulk Part #: 100004



20Ltr / 20 Gallon Bulk Part #: 100020



**205Ltr / 50 Gallon Bulk Part #: 10205
114Ltr / 30 Gallon Bulk Part #: 10114**



MSDS

AEROSOL

Shipping Classifications
Ground - Non Regulated, Non Hazardous,
Non Flammable, Non Toxic
Air - UN 1950-CLASS 2.2 Non Flammable Gas
Harmonized Code # 3403.19.1000

BULK

Shipping Classifications
Non Regulated, Non Hazardous,
Non Flammable, Non Toxic
Harmonized Code # 3403.19.1000



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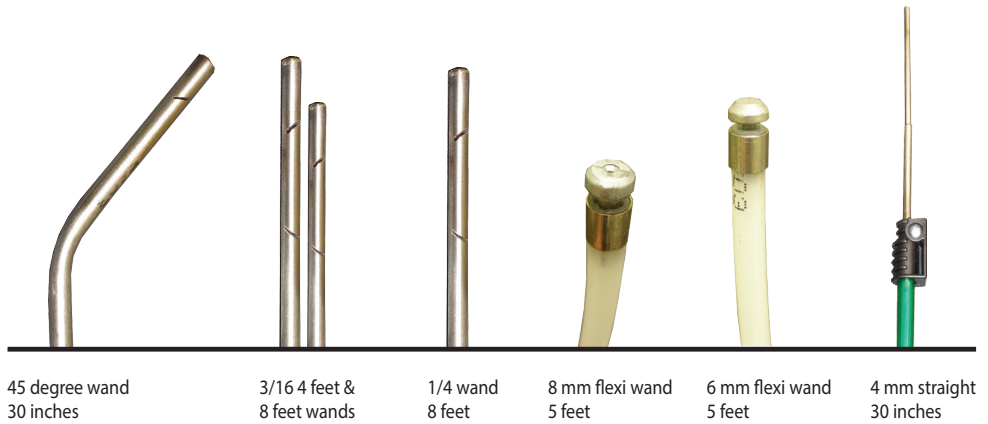
Complete Anti-Corrosion Solutions For Airframe, Avionics And Ground Support Equipment.



- ACF-50 is a blend of ultra-pure base stocks and speciality corrosion inhibitors and surfactants
- Film thickness for ACF-50 is 0.00026

Hand Held Spray System Part #: 50000

Both Systems Includes Bullet Tip, 7 Application Wands & Training DVD



45 degree wand
30 inches

3/16 4 feet &
8 feet wands

1/4 wand
8 feet

8 mm flexi wand
5 feet

6 mm flexi wand
5 feet

4 mm straight
30 inches



Standard Spray System Part #: 50003



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