Corrosion Mitigation in Maintenance Equipment

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Clear Roads Project 13-04: Best Practices for the Prevention of Corrosion on Vehicles and Equipment used by Transportation Agencies for Snow and Ice Control
Corrosion Resistant Materials

Specifying corrosion resistant coatings on your winter maintenance fleet and/or attachments such as epoxies or other paint systems?

Yes, 100%
Corrosion Resistant Coatings

Specifying corrosion resistant coatings on your winter maintenance fleet and/or attachments such as epoxies or other paint systems?

- Stainless Steel Powder Coating (44%)
- 2-part epoxies (48%)
- Dolphin undercoating
- Bed Liner coatings

NR (8%)
Utilizing other preventative measures like dielectric greases, special enclosures, sacrificial anodes

Weatherproof enclosures
Strategic placement
No electrical splices
Sealed looms
Programs for Rehabilitation

Dedicated programs for rehabilitation or replacement of corroded elements

- Yes: 44%
- No: 52%
- NR: 4%
Policies for Equipment Washing

Programs or Policies that specify frequent equipment washing

- Yes: 60%
- No: 28%
- NR: 12%
Neutralizers & Corrosion Inhibitors

Use of neutralizers, spray-on corrosion inhibitors, or other similar products

- Yes: 80%
- No: 12%
- NR: 8%

Fluid Film
Chloride Neutralizer
Neutro-wash
Lubra Seal
Any other corrosion related programs or products implemented
Other Programs

- Utilize as much stainless steel as possible (ID)
- Bed Chain lubricants (MA)
- Requiring single frame rails, Aluminum rims (MD)
- Using PNS specs for materials so materials have corrosion value 70% less than salt (OH)
- Composite lighting in place of Aluminum (VT)
Thank you for your attention

Complete survey responses available at https://sicop.transportation.org/resources/surveys/

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