

Ogden Air Logistics Center



Chromate use at Hill AFB

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Chromate use at Hill AFB



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- Overview of Hill AFB chrome use.
- Anodize strip.
- Anodize seal.
- Conversion coat for aluminum.
- Conversion coat for cadmium.

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- Hill AFB chrome use in landing gear overhaul.
 - 14 Chrome Plating Tanks
 - Small anodize strip process
 - Chromated Primers
 - Dow 7 process
 - Aluminum conversion coat
 - Cadmium conversion coating
 - Anodize seal process
 - HVOF strip

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- Anodize Strip
 - MIL-STD-871
 - Chromic/Phosphoric acid, 180+ F.
 - Used to have 100% requirement in order to facilitate NDI processes.
 - Two 6,000 gallon tanks.
 - Reduced CrO3 use by 6750 lbs. per year.

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- Type II anodize seal
 - MIL-A-8625F, Type II Class 1
 - Sodium Dichromate, 7 oz/gal in water.
 - Two tanks AN-9, AN-26
 - AN-9 -1270 gal. 200 lbs last year.
 - AN-26 -1750 gal. 820 lbs* last year.
 - Mainly wheel and brake components
 - Some struts, misc.

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- Aluminum Conversion Coating
 - MIL-DTL-5541F
 - Type I Class 1 (Iridite 14-2)
 - Tank AN-22, 1210 gal. 1.5 oz/gal.
 - 422 lb used last year.
 - IVD Al coated steel components
 - Aluminum components

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- **Cadmium Conversion Coating**
 - MIL-STD-870C
 - Class 1 Type II
 - Iridite 80,
 - Tank CR-34, 4060 gal. 1.5 oz/gal.
 - 80 gal.* used so far.
 - Steel Components
 - Bushings

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Questions?

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