

Cee-Bee[®] C-623

Cee-Bee[®] C-623 is an inhibited phosphoric acid cleaner and descaler that is used in a multi-step cleaning process with Cee-Bee[®] J-84AL, J-88L and J-3.

Conforms To

- Airbus
 - CML 11-033
- AMS & ARP
 - AMS 1384A
 - ARP 1755B
- CFM
 - CP. 2360
- General Electric
 - C04-143
- International Aero Engines (IAE)
 - CoMat No. 01-170
- Military
 - T.O.2-1-111 (SPMC 21)
 - MIL-C-10578 (Type III)
- Pratt & Whitney
 - SPMC 21 (SPOP 11, 211, 250, and 324)
- Snecma
 - DMP 12-056 & 13-250

Benefits

- Effective removal of corrosion and permanganate stains.
- Produces brighter parts on nickel-based alloys, which enhances FPI.
- Inhibited to minimize attack on base metals.
- Safe on mild and stainless steel, aluminum, copper and titanium, nickel, cobalt alloys.
- Economical - used at ambient temperature and diluted with water.
- Tank should be constructed from #316 stainless steel.

Properties

- Clear, colorless to slightly amber or pink liquid
- Slightly viscous

Notes Prior to Handling

Before using your Cee-Bee[®] products, all safety and operating instructions should be read and understood. If you have any questions, please contact your Cee-Bee[®] representative before proceeding.

Use Procedure

Ambient Temperature Soak

- Use a 30-50% Cee-Bee[®] C-623 by volume solution at ambient temperature.
- Preclean parts to remove heavy grease and oil. Immerse in descaler solution and allow to soak. When removal is complete draw parts from tank and spray rinse with water or dip in clear, overflowing water. A hot water rinse will speed drying and minimize flash rusting.

Solution Control

- Additions of water to make up evaporation loss and additions of descaler to replace dragout loss will be required periodically.
- The concentration of descaler solutions may be estimated using the following procedure:
 1. Pipette 5 ml. descaler solution sample into titration flask.
 2. Add 10 ml. 10% potassium iodide soln. Allow to stand for 1 min.
 3. Dilute sample to 100 ml. with DI water.
 4. Add 3 to 5 drops methyl orange indicator.
 5. Titrate with 0.5N NaOH until color changes from red to yellow.
 6. Calculate concentration of descaler as follows:
 - a. $(ml. 0.5N NaOH)(2.0) = \% Cee - Bee^{\text{®}} C - 623$
- Mild steel tanks are acceptable for containing descaler solutions. However, to minimize tank maintenance, 300 series stainless steel is recommended.

Safety, Handling, and Precautions

- Contains phosphoric acid.
- Avoid contact with eyes and skin. Wear goggles or face shield and rubber gloves.
- Do not take internally.
- In case of accidental contact with eyes, flood with water. If irritation persists, seek medical attention. For skin, flush thoroughly with water.
- Embrittling to high strength steels. Avoid contact with descaler and rinse water by thoroughly masking all high strength steel parts, such as landing gears, flap brackets and tracks.

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