

Cee-Bee[®] J-2

Cee-Bee[®] J-2 is a mildly acidic liquid scale remover for corrosion resistant steels and nickel and cobalt-based alloys. Cee-Bee[®] J-2 is typically used in various combinations with Super Bee™ 300LF/G, Cee-Bee[®] J-84AL and Cee-Bee[®] J-88L.

Conforms To

- AMS
 - 1382A
- Rolls Royce
 - OMat 1/153A
- Snecma
 - DPM 12-056

Benefits

- Rapid scale and rust removal.
- Effectively removes conditioned oxides and permanganate stains from parts.
- Safe on corrosion-resistant steels and nickel and cobalt-based alloys.
- Long useful tank life when correctly controlled.
- Surfactants biodegradable.

Properties

- Clear to straw colored liquid

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

Tank Recommendation

- Cee-Bee[®] J-2 should be contained in #316 stainless steel tanks with #316 stainless steel heaters.
- Use mechanical agitation.

Tank Start Up and Operating Procedures

For instructions on the proper use of Cee-Bee[®] J-2, please refer to the applicable Overhaul Processes in the OEM's Standard Practice Manual.

- Prepare a 20% v/v solution and maintain the concentration between 15-20% v/v.
- Fill the tank approximately one-third full with DI water. With mechanical agitation, add the calculated 20% by volume of Cee-Bee[®] J-2 to the water, then top off to operating level with DI water.
- Before use, heat solution to 167-185°F (75-85°C) and mix using mechanical agitation.



Solution Control

- Daily additions of water are required to make up evaporation loss. Periodic additions of undiluted Cee-Bee[®] J-2 are required to replace dragout loss.
- Maintain pH of Cee-Bee[®] J-2 solution between 3.0 -3.5. If pH goes above 3.5, reduce with Nitric Acid. Follow all safety precautions when handling Nitric Acid.
- To determine the concentration of the bath, use the following procedure:
 1. Pipette 25 ml solution into 100 ml graduated cylinder.
 - a. If the sample is heavily contaminated it can be heated in a hot water bath and filtered through coarse filter paper.
 2. Add 5 ml. 50% NaOH to cylinder and shake.
 3. Heat to 180°F ±5°F (82°C ± 2°C) in water bath.
 4. Add Ferric chloride solution in 1 ml increments. Stopper, shake 30 seconds and place in water bath and heat to 180°F ±5°F (82°C ± 2°C).
 5. Remove, shake 30 seconds, examine for undissolved precipitate using high intensity lamp.
 6. Repeat #4 to end point (large vol. undissolved precipitate in bottom of cylinder. 1 to 2 small particles is not the end point. After end point is reached, calculate as follows:

$$\text{ml 1M Ferric chloride solution} \times 6.9 = \% \text{ v/v Cee-Bee}^{\text{®}} \text{ J-2}$$

Safety, Handling, and Precautions

- **Irritating to eyes and skin! Allow no contact!**
- Wear proper protective clothing, such as rubber gloves and chemical goggles, or chemical face shield.
- **Some form of eye protection is always necessary!**
- **Do not breathe fumes.**
- Use with proper and adequate ventilation.
- Don't take internally.
- In case of accidental contact, flush areas thoroughly with water. If irritation persists, seek medical attention promptly.
- Not suitable for use on low carbon steels.

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