

TECHNICAL DATA REPORT

HS 2288

ATL-288 Airline Toilet System Cleaner

DESCRIPTION:

Slightly viscous, blue liquid with a pleasant odour. No flash point up to and including initial boiling point at 100°C.

PURPOSE:

ATL-288 is an acidic liquid cleaner developed for removal of hard water scale and accumulated waste materials from toilet systems in aircraft.

HOW TO USE:

Inplace Cleaning of Recirculating Type Toilet System:

1. Before cleaning, service the toilet tank as generally practised.
2. Pump ATL-288 solution (full strength or diluted with up to 1 part water) from the service truck into the toilet holding tank to, or near, the toilet flap valves.
3. Flush toilets to allow ATL-288 solution to contact all areas.
4. Allow cleaner to remain in the tank 6 to 8 hours.
5. Flush toilet 3 to 4 times during 1st hour to recirculate the ATL-288 solution and then 1 to 2 times per hour until drained.
6. When the cleaning operation is complete, drain and backwash.
7. After the toilet tanks are recharged with clean clear water, add suitable Melrose deodorant.

For local cleaning, ATL-288 can be applied directly to scale and waste deposits using a plastic squeeze bottle. After initial clean up, ATL-288 can be used at a reduced concentration (10-50% by volume) for follow up or maintenance cleaning.

Flush rings that do not "free up" by inplace flushing can be removed and soaked in a container of ATL-288 until clean.

Inplace Descaling of Vacuum Toilet Systems:

Flash drying of waste and water rapidly build up scale in the transfer ducts, which eventually plugs up the system. Therefore, the following method is required to reduce build up.

1. Drain and service the waste tanks with fresh water.
2. Charge 0.5 gal. of ATL-288 and 0.5 gal. of crushed ice (ice cubes may damage level detector faces) into the toilet bowl.
3. Flush the toilet as many times as required to empty the bowl, then flush approximately 1.0 gal. of fresh water through the toilet to remove all acid residues. Repeat Step 2 for each toilet on the aircraft.
4. Drain and service the waste tanks after all toilets have been treated.

Cleaning Toilet System Parts:

When too much scale and waste material have accumulated for adequate inplace cleaning, the toilet system must be disassembled and cleaned in the shop.

1. Charge a 316 stainless steel or plastic tank with ATL-288, undiluted or

MAIN USERS:

Airlines.

ADVANTAGES:

- 1) Effectively removes water scale and stains from stainless steel.
- 2) Allows for in-place cleaning, eliminating the need to remove the toilet systems from the aircraft.
- 3) Can be applied directly to scale deposits for local cleaning.
- 4) Regular cleaning will assist in maintaining toilet systems in good operating condition and help control odours offensive to the passengers.
- 5) Thickened for better cling on vertical surfaces.
- 6) Safe on stainless steel, most plastics and good quality paint.
- 7) Compatible with most toilet deodorants, including quaternary amine base toilet deodorants.
- 8) Non-flammable. Surfactants biodegradable.

PRECAUTIONS:

Acid base material. Can cause burns. Avoid eye and skin contact. Wear rubber gloves when handling. Do not take internally. In case of accidental contact with eyes or skin, flood area with water. If eye irritation persists, seek medical attention. Storage and handling equipment should be constructed of 316 stainless steel or acid resistant plastic materials, such as Fibreglass, polypropylene or polyethylene CAUTION! ATL-288 is not safe on high strength steel, zinc or magnesium. Read Material Safety Data Sheet.

SPECIFICATIONS:

MEETS THE REQUIREMENTS OF:

AMS 1640
AMS 1476B
BOEING SERV. LTR. 747-400-SL-38-30A
BOEING SERV. LTR. 767-SL-38-7B & 9A
BOEING SERV. LTR. 737-SL-38-016, 747-SL-38-071, 767-SL-38-034,
777-SL-38-009