



# World Class Cleaning Solutions

## Case Study

### Life Support LOX and GOX Component Cleaning and Cleanliness Verification

#### CUSTOMER DETAILS

**Product:** On Board Oxygen Generating Systems (OBOGS) for aerospace and defense Oxygen Breathing Systems. Design, build, repair OBOGS. The customer specializes in systems that utilize GOX and LOX. Currently they have these OBOGS in 3800 aircraft.

**Parts Cleaned:** Parts and assemblies for their OBOGS.

**Removing What Soil(s):** Variety of machining lubricants-Mobil.

**Why are parts degreased:** NAVSEA (Naval Sea Systems Command) Navy O2 Cleaning Standards. Mil Spec-MIL STD 1330.

#### CUSTOMER'S PROCESS BRULIN REPLACED

**Current Chemistry:** Asahiklin AK-225 was standard Navy approved cleaning solvent for O2 cleaning used in Vapor Degreasing and spray and wipe. Banned from use in the USA

**Concentration:** RTU

**Washer Type:** Just-Rite Sprayer, Rapid Vap. Machine, Soak, Ultrasonic.

**Specific Metals:** Primarily Stainless Steel

**Customer Improvement Requested:** Must be approved for use and provide as good as or better results as the AK-225

#### BRULIN IMPLEMENTED PROCESS

**Chemistry:** Brulin Solstice® PF-HP

**Concentration:** RTU

**Washer Type:** Just-Rite Sprayer, Rapid Vap Machine, Soak, Ultrasonic.

#### RESULTS

The customer was able to utilize existing equipment

#### REASON BRULIN WON

The solvent was approved for use. The customer was able to use existing equipment and achieve equal to and better results in some instances.

