

Technical Data Sheet

B&B™ TC-100

Product Description

B&B TC-100 is an aqueous cleaner used for turbine engine gas path cleaning for off-line (starter cranked) and for on-line (fired) engine cleaning. When used as directed, it is effective in cleaning compressor blades, stators, air passages, etc. in turbine engines. Safeguards against abnormal temperature increases, power loss and increases in fuel consumption.

B&B TC-100 is also commonly used in heated immersion cleaning equipment for removing oils, grease, debris and other soils from components and assemblies.

Features and Benefits

- Removes salt, oil and solid deposits
- Non-flammable
- Low EHS impact
- May be used for crank and hot-running washing

Process

For Turbine Engine Gas Path Cleaning

B&B TC-100 should be applied to all engines in compliance with instructions outlined in applicable T.O.s and engine manufacturer's technical manuals. Consult engine manufacturer's technical manuals for blanking off or disconnecting air bleeds and protecting sensing devices from moisture. If there are no manuals to reference, Vantage suggests a 25% concentration of B&B TC-100 for engine cleaning. After application, rinse with fresh water (using same procedure as chemical application) until discharge water from tail pipe is clear. For cleaning operations below freezing, contact your Vantage representative for details.

For Immersion Cleaning

Add B&B TC-100 to the wash tank at a 100% concentration. Lower concentrations may be used depending on the requirements of the specific application. Typical operating temperatures range between 140-180°F (60-82°C). Mechanical agitation is recommended. Remove the cleaner and residual soil from the substrate surface with a heated water rinse. Mechanical agitation during rinsing is also recommended.

Approvals/Testing

Commercial

Boeing, APU In-Situ Cleaning, Prop-BN82T-C89-461

Boeing 747 Maintenance Manual, 49-11-00, Compressor Washing Fluid (Ref 20-30-01)

Boeing 737-600/700/800/900 U-File, Bulk and Consumable Materials

CFM, CP5060

GE Aviation, C04-140

Honeywell Aerospace CMM 182820 D. Aqueous Cleaning (Subtask 21-50-14-100-004-A01) Heat Exchanger Cleaning



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Continental Airlines (now United Airlines)
Pratt & Whitney Canada CPMC 79038

Military

MIL-C-85704, Type IIA, Cleaning Compound, Turbine Engine Gas Path
NSN # 7930-01-367-0983 (5 gal), 7930-01-367-0984 (55 gal)

Testing

Boeing D6-17487 Rev
Rolls-Royce MSRR 9914, Testing to Appendix 1, 3, 4, 5, 6, 10 and Flash Point
AMS 1550A, Cleaner for Interior Materials of Aircraft, Biodegradable, Water-Base

Disposal/Safety

Disposal

Vantage recommends contacting your current or local environmental service company for proper disposal.

Safety

Please see Safety Data Sheet for further information.

Packaging

Available in pails and drums.

Shelf Life

12 months when stored in original, sealed container above 50°F (10°C).

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