



TURCO[®] 6783 SERIES

IN-PLACE TURBINE ENGINE COMPRESSOR CLEANING

DESCRIPTION:

TURCO 6783 SERIES are water-based cleaners which effectively remove oil, salt and solid deposits from compressor blades, guide vanes and rotors of in-service turbine engines. Periodic cleaning of these components is necessary to avoid power loss, abnormal temperature increases and increased fuel consumption.

DESCRIPTION AND USE CONCENTRATION:

TURCO 6783-3 - Super concentrated liquid. Meets all the requirements of MIL-C-85704B Type II except composition. This formula is too concentrated to meet the specification, which requires various specified solutions. TURCO 6783-3 is used at 10% by volume in distilled, demineralized or good drinking quality water.

TURCO 6783-10 - Ready to use liquid meeting all the requirements of MIL-C-85704B Type IIA. It is used when distilled, demineralized or good drinking quality water is not available.

TURCO 6783-50 - Concentrated liquid meeting all the requirements of MIL-C-85704B Type II. TURCO 6783-50 is used at 20% by volume in distilled, demineralized or good drinking quality water.

NOTE: For cold weather below 0°C add 20% by volume isopropanol, ethanol or glycol.

FEATURES:

TURCO 6783 SERIES offers these features:

1. Meets MIL-C-85704B Type II (TURCO 6783-50, TURCO 6783-10)
2. Readily miscible with water
3. Nonflammable
4. Biodegradable

CLEANING PROCEDURE:

PROCEDURE "A" - Rotating Engine With Starter ("Crank Wash")

Equipment - Pressure pot with control valve, hose and spray nozzle or a Drum Master Model #220 for direct proportioning from container.

1. Prepare engine in accordance with applicable maintenance manual.
2. Fill spray tank with TURCO 6783-3 or TURCO 6783-50 at recommended concentration in distilled, demineralized or good quality drinking water. TURCO 6783-10 is used as received.
3. Inject selected TURCO 6783 solution into compressor air intake while rotating engine with starter for approx. 60 seconds. Observe starter motor limitations.
4. Permit cleaning solution to dwell for approx. 10 to 15 minutes.
5. Repeat #3
6. Repeat #4
7. Rinse with cold distilled, demineralized or good quality drinking water with starter motor running for approx. 60 seconds.
8. After 5 minutes, repeat Step #7 as necessary to flush out all residual cleaning solution and loosened soils.
9. After starter has cooled, run engine and test performance.

PROCEDURE "B" - Running Wash

Equipment - Special cleaning rig consisting of pressure tank, pump, valves and supply hose as specified by Turbine Engine Manufacturer.

1. Prepare engine in accordance with applicable maintenance manual.
2. Fill spray tank with TURCO 6783-3 or TURCO 6783-50 at recommended concentrations in distilled, demineralized or good quality drinking water. TURCO 6783-10 is used as received.
3. Make sure supply hose valve is closed, then pressurize tank to 100 PSI.
4. Connect supply hose to anti-icing fitting or as directed by engine manufacturer.
5. Start engine as directed in engine manual and run at RPM prescribed by manufacturer.
6. When engine has stabilized, turn on cleaning rig pressure pump and inject TURCO 6783 cleaning solution selected at 45 PSI into engine.
7. Continue feeding cleaning solution until it has passed through the running engine, taking approx. 15 minutes, turn off pump switch and shut off the supply valve.
8. Clear all fluids from the engine increasing RPM to cruising for approx. 15 minutes.
9. Check engine operation and temperature. If performance is insufficient further washing may be necessary.

NOTE: The above procedures are typical, however the process recommended by the engine manufacturer must be followed.

DISPOSAL INFORMATION:

Dispose of soiled rags in approved safety container per local, state and regional regulations. Refer to TURCO MATERIAL SAFETY DATA SHEET for additional disposal information.

WARNING! Causes eye irritation. May cause skin irritation

TURCO 6783-3, TURCO 6783-10 and TURCO 6783-50 contain di-ethylene glycol mono-butyl ether. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation. Store in closed containers away from excessive heat or direct sunlight.

Before using this product refer to container label and TURCO MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

NOTICE:

The above information and recommendations concerning this product are based upon our laboratory tests and field use experience with these or similar products. However, since conditions of actual use are beyond our control, any recommendations or suggestions are made without warranty, express or implied. Manufacturer's and seller's sole obligation shall be to replace that portion of the product shown to be defective. Neither shall be liable for any loss, damage, or injury, direct or consequential, arising out of the use of these products.

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