



TURCO JET WASH K-3

IN-PLACE JET ENGINE COMPRESSOR CLEANER

DESCRIPTION:

TURCO JET WASH K-3 is a concentrated water base cleaner which is effective in the removal of oil, salt and solid deposits from compressor blades, guide vanes and rotors of in-service jet engines. Periodic cleaning of these components is necessary to avoid power loss, abnormal temperature increases and increased fuel consumption.

FEATURES:

TURCO JET WASH K-3 offers these features:

1. Free of phenols and petroleum distillates.
2. Low chloride, sulfur, phosphorous and sodium.
3. Ash free.
4. Readily miscible with water.
5. Nonflammable.
6. Readily biodegradable.

USE INSTRUCTIONS:

CONCENTRATION:

Mix 1 part TURCO JET WASH K-3 with 4 parts distilled, demineralized or good drinking quality water for PROCEDURE "A". Mix 1 part TURCO JET WASH K-3 with 1 part distilled, demineralized or good drinking water, for PROCEDURE "B".

NOTE: For cold weather (below 32°F) use 20% by volume methanol (methyl alcohol) or glycol.

Equipment:

Procedure "A": Pressure pot with control valve, hose and spray nozzle or a Drum Master Model #220 for direct proportioning from the container.



Procedure "B": Special cleaning rig consisting of pressure tank, pump, valves and supply hose as specified by Jet Engine Manufacturer.

CLEANING PROCEDURE:

Procedure "A" - Rotating Engine With Starter

1. Mix 1 part TURCO JET WASH K-3 with 4 parts water in pressure pot or use proportioner.
2. Inject the TURCO JET WASH K-3 water solution into compressor air intake while energizing starter motor; 60 seconds.
3. Permit the TURCO JET WASH K-3 solution to dwell 5 minutes.
4. Repeat Step #2.
5. Repeat Step #3.
6. Rinse with cold distilled, demineralized, or good drinking quality water with starter motor running for 60 seconds.
7. After 5 minutes, repeat Step #6 as necessary to flush out all residual TURCO JET WASH K-3 and loosened soils.
8. After starter has cooled, run engine and test performance.

Procedure "B" - With Engine Operating

1. Allow engine to cool after shutdown for a minimum of 45 minutes.
2. Fill spray tank with 10 gallons TURCO JET WASH K-3 and 10 gallons distilled, demineralized, or good drinking quality water, mix well.
3. Make sure supply hose valve is closed, then pressurize tank with compressed air to 100 psig.
4. Connect supply hose to anti-icing fitting or as directed by engine manufacturer.
5. Start the engine as directed in engine manual and run at 7,000 RPM or as prescribed by engine manufacturer.
6. When the engine has stabilized, turn on the cleaning rig pressure pump and inject the TURCO JET WASH K-3 solution at 45 psig into the engine.
7. When the TURCO JET WASH K-3 solution has passed through the engine, taking approximately 5 minutes, turn off the pump switch and shut off the supply valve.
8. Flush the engine with distilled, demineralized, or good drinking quality water for approximately 5 minutes.
9. Clear all fluids from the engine by increasing RPM to cruising for approximately 15 minutes.
10. 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 should be followed.

DISPOSAL INFORMATION:

Dispose of spent solution per local, state and regional regulations. Refer to your TURCO MATERIAL SAFETY DATA SHEET for additional disposal information.

WARNING! Causes eye irritation. May cause skin irritation.

TURCO JET WASH K-3 contains diethylene glycol monobutyl ether. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation.



Protective clothing, such as a chemical face shield or goggles gloves, boots and apron made from alkali resistant materials should be worn. A NIOSH-approved respirator should be worn during mist conditions.

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. 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 this product.