

## **TURCO<sup>®</sup> 5884**

### **IN-PLACE JET ENGINE COMPRESSOR CLEANER**

#### **DESCRIPTION:**

TURCO 5884 is a concentrated liquid 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 5884 offers these features:

1. Meets the requirements of and is approved to MIL-C-85704B Type I
2. Listed in General Electric SPM REF #CO4-140
3. Listed in Pratt & Whitney SPMC-87
4. Flash point 65°C minimum (Tag Closed Cup)
5. Typically very low in phenol, chloride and sulfur
6. Ash Free
7. Readily miscible with water

#### **USE INSTRUCTIONS:**

**Concentration:** Mix 1 part TURCO 5884 with 4 parts distilled or demineralized water for PROCEDURE "A". Mix 1 part TURCO 5884 with 1 part distilled or demineralized water, for PROCEDURE "B".

**NOTE:** For cold weather (below 0°C) add 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 5884 with 4 parts water in pressure pot (or use a proportioner).
2. Inject the TURCO 5884 water solution into compressor air intake while energizing the starter motor for 60 seconds. Permit the TURCO 5884 solution to dwell 5 minutes.
3. Repeat Step #2.

4. Rinse with cold distilled or demineralized water with starter motor running for 60 seconds
5. After 5 minutes, repeat Step 4 as necessary to flush out all residual TURCO 5884 and loosened soils.
6. After starter has cooled, run engine and test performance

**PROCEDURE "B"** - With Engine Operating (Allow engine to cool after shutdown for a minimum of 45 minutes.)

1. Fill spray tank with 10 gallons TURCO 5884 and 10 gallons distilled or demineralized water, mix well.
2. Make sure supply hose valve is closed, then pressurize tank with compressed air to 100 Psi.
3. Connect supply hose to anti-icing fitting or as directed by engine manufacturer.
4. Start engine as directed in manual and run at 7,000 RPM or as prescribed by the manufacturer.
5. When engine has stabilized, turn on cleaning rig pressure pump and inject the TURCO 5884 cleaning solution at 45 psi into engine.
6. When the TURCO 5884 solution has passed through the engine, taking approximately 5 minutes, turn off the pump switch and shut off the supply valve.
7. Flush the engine with distilled or demineralized water for approximately 5 minutes.
8. Clear all fluids from the engine by increasing RPM to cruising for approximately 15 minutes.
9. Check engine operation and test performance. Repeat cleaning procedure as necessary.

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

**Storage:** TURCO 5884 can be stored at temperatures from 0° to 60°C without detrimental effects.

## **DISPOSAL INFORMATION:**

Dispose of TURCO 5884 per local, state and regional regulations. Refer to TURCO MATERIAL SAFETY DATA SHEET for additional disposal information.

## **CAUTION**

TURCO 5884 contains aromatic hydrocarbon, butyl ether glycol and hexylene glycol. Avoid contact with eyes, skin and clothing. Do not take internally. Use with adequate (equivalent to outdoor) ventilation. Do not use near open flames, torches or welding arc.

Protective clothing, such as a chemical face shield or goggles, gloves, boots and apron made from solvent resistant material should be worn when handling this product. A NIOSH-approved respirator should be worn during mist conditions.

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 this 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 this product.*

Rev. 9/99(Sup.11/96)  
TDB #162-A