

TURCO 5884

IN-PLACE JET ENGINE COMPRESSOR CLEANER

1. 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.

2. BENEFITS:

TURCO 5884 offers these benefits:

1. Free of phenols and sulphur.
2. Comparatively free of chlorides, less than 10 ppm.
3. Ash free.
4. Readily miscible with water.

3. APPLICABLE SPECIFICATIONS:

G.E. REF.# C04-140
P&W (S)PMC 87-12
R.R.OMAT 1/15A
MIL-C-85704*
AMS 1548

4. USE INSTRUCTIONS:

Concentration:

Mix 1 part **TURCO 5884** with 4 parts distilled, demineralised or good quality drinking water for PROCEDURE 'A' mix 1 part **TURCO 5884** with 1 part distilled, demineralised or good quality drinking water for PROCEDURE 'B'.

Note: For cold weather (zero °C) use 20% by volume methanol (methyl alcohol) or glycol.

Equipment:

PROCEDURE 'A' - Pressure pot with control valve, hose and spray nozzle or a proportioner 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 proportioner.
2. Inject the **TURCO 5884** water solution into compressor air intake while energising starter motor, 60 seconds.
3. Permit the **TURCO 5884** solution to dwell 5 minutes.
4. Repeat Step #2.
5. Repeat Step #3.
6. Rinse with cold distilled, demineralised, or good quality drinking water with starter motor running for 60 seconds.
7. After 5 minutes, repeat Step #6 as necessary to flush out all residual **TURCO 5884** 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 min. of 45 mins.
2. Fill spray tank with 45 litres **TURCO 5884** and 45 litres distilled, demineralised or good quality drinking water mix well.
3. Make sure supply hose valve is closed, then pressurise tank with compressed air to 100 psi.

4. USE INSTRUCTIONS:

PROCEDURE 'B' - WITH ENGINE OPERATING (continued)

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 stabilised, turn on the cleaning rig pressure pump and inject the **TURCO 5884** solution at 45 PSIG. into the engine.
7. When the **TURCO 5884** solution has passed through the engine, taking approx. 5 minutes, turn off the pump switch and shut off the supply valve.
8. Flush the engine with distilled, demineralised, or good quality drinking water for approx. 5 minutes.
9. Clear all fluids from the engine by increase 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.

Storage: **TURCO 5884** can be stored at temperatures of 5°C to 50°C without detrimental effects to the compound.

5. DISPOSAL INFORMATION:

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

6. CAUTION:

TURCO 5884 contains aromatic hydrocarbon, butyl ether of ethylene glycol and hexylene glycol. Avoid contact with eyes and skin. 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 chemical face shield or goggles, gloves, boots and apron made from solvent resistant neoprene should be worn when handling this product. An approved respirator should be worn during mist conditions.

Refer to container label or HENKEL MATERIAL SAFETY DATA SHEET for additional precautionary, handling and first aid information.

DISCLAIMER

Any information given is, to the best of our knowledge, the best currently available, with respect to our products and their use, but it is subject to revision as additional knowledge and experience is gained. Such information is offered as a guideline for experimentation only and is not to be construed as a representation that the material is suitable for any particular purpose or use. Customers are encouraged to make their own enquiries as to the material's characteristics and, where appropriate, to conduct their own tests in the specific context of the material's intended use. This information is not a license to operate under nor is it intended to suggest infringement of any patent. We guarantee a uniform quality standard for this product. The only conditions and warranties accepted by Henkel in relation to this product or process are those implied by either Commonwealth or State statutes.

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