



TURCO[®] 4217

JET ENGINE COMPRESSOR EMULSION CLEANER

DESCRIPTION:

TURCO 4217 is a clear yellow liquid concentrate formulated expressly for in-place removal of oil, salt and solid deposits from jet engine compressor blades, vanes and rotor components.

FEATURES:

TURCO 4217 offers these features:

1. Readily mixes with distilled or de-ionized water to form a stable emulsion
2. Will not harm or corrode metals used in jet engines
3. Engine need not be removed from aircraft for cleaning
4. Used at ambient temperature
5. Used at low concentration
6. Ash free

USE INSTRUCTIONS:

Equipment: Use special in-place cleaning rig recommended by engine manufacturers. Rigs generally consist of a pressure tank, pump, valves and supply hose. Follow jet engine manufacturer's instructions regarding hookup, cleaning procedure and engine restart.

Mixing Concentrate: Add 1 gallon of TURCO 4217 to 10 gallons of kerosene. Add 12 gallons of distilled or de-ionized water to the TURCO 4217/Kerosene mixture and thoroughly mix to form a white emulsion.

For cold weather cleaning (0°C and below) add 1 gallon of TURCO 4217 to 10 gallons of kerosene. Add 8 gallons of distilled or de-ionized water and 4 gallons of isopropanol (isopropyl alcohol) to the TURCO 4217/kerosene mixture and thoroughly mix to form a white emulsion.

SUGGESTED PROCEDURES:

The following procedure is a general recommendation. In all cases, engine manufacturers instructions take precedence and should be followed.

1. Allow engine to cool after shutdown for a minimum of 45 minutes.
2. Fill spray tank to capacity with TURCO 4217 mixture.
3. Close all valves and pressurize tank with compressed air to 100 psig.
4. Connect supply hose to anti-icing fitting or as directed by engine manufacturer.

5. Turn engine over with starter to available rpm as recommended by engine manufacturer. When engine reaches stated rpm, inject or spray TURCO 4217 solution at 45 psi for 1 minute.
6. Remove spray equipment and secure engine for running.
7. Operate engine at low rpm for 5 minutes or as recommended by engine manufacturer.

DISPOSAL INFORMATION:

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

CAUTION!

TURCO 4217 contains isopropyl alcohol. 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 and gloves, apron and boots, made from solvent resistant material should be worn when handling and using this product.

TURCO 4217 is flammable, having a flash point of 15°C, Tag Closed Cup Method. Eliminate all sources of ignition, such as pilot light, open flames and spark producing equipment.

Store in closed containers in designated flammable storage areas, away from strong oxidizers. Avoid freezing.

Use caution in opening drums to avoid spurting. Drums and metallic handling equipment should be well grounded to avoid static charges.

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. 6/99(Sup. 8/87)
TDB #359