AIRCRAFT JET ENGINE COMPRESSOR CLEANER

Technical Data Sheet

ACC 5510

Product Group	**Aircraft jet engine compressor cleaner**
Description	ACC 5510 concentrated water-base compressor cleaner, removes contamination on jet engine compressor.
Characteristics	Easy to mix with water.
	Nonflammable
	Biodegradable
Specification	MIL-PRF-85704C Type II
Application	The engine compressor cleaning practically can be carried out in two ways, but always follow the instructions as laid down by the manufacturer.
	Add 0-20% by volume of glycol at freezing conditions.
	I : use the starter motor to run the engine.
	Prepare engine in accordance with applicable maintenance manual.
	Mix 20 parts of ACC 5510 with 100 parts by volume of distilled water.
	Fill spray tank with mixture.
	Inject mixture into engine compressor air intake according manufacturers' instruction.
	After one minute stop engine running and leave the liquid for 15 minutes in the engine.
	Again inject new solution in the air intake and let the engine run for one minute, stop engine and wait for 15 minutes.
	Clean with cold demineralized water with the engine running for one minute.
	Finally after five minutes flash off once more inject water and let the engine run again for 60 minutes.
	After 5 minutes flush out all residual cleaning residues.
	II : clean the engine whilst it is running.
	Prepare engine in accordance with applicable maintenance manual.
	Mix 20 parts of ACC 5510 with 100 parts by volume of demineralized water.
	Fill pressure tank and pressurize to 100Psi.
	Connect supply hose to anti-icing fitting or as directed by engine manufacturer.
	Let the engine run at RPM specified by the manufacturer.
	When running stable, switch on the pressure pump and inject the mixture of ACC 5510 and water into the engine at a pressure of 45 Psi.
	After 15-20 minutes turn off the pump and close the supply valve.
	In an additional 15 minutes clear all fluids from the engine by increasing the RPM.
	Repeat the whole procedure if engine is still not in optimal condition.
Toxicity and Hazards	Before use always refer to MATERIAL SAFETY DATA SHEET for precautionary, handling and first aid information.
	May cause eye and skin irritation.
	Use with adequate ventilation.
	Dispose of ACC 5510 mix with dirt residues per applicable regulations. Refer to MATERIAL SAFETY DATA SHEET for additional disposal information.
Storage	Store in closed containers at temperatures between 5-35°C.
Shelf life/Packing	24 Months/ 25 KG Pail

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Attn: Rein Statema
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Date: 17-Oct-2013
SMI/REF: 1303-486$_R$

Product: **ACC 5510** *(received 14-Aug-2013)*
Dilution: 20 volume percent, where indicated

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MIL-PRF-85704C (15 July 1998)
CLEANING COMPOUND, TURBINE ENGINE GAS PATH
Type II: Aqueous cleaner concentrate containing no aromatic hydrocarbon solvents for starter cranked engine cleaning operations only

3.4 Performance Requirements (Table I)

Volatile Organic Content (VOC)	Conforms
Water content	Conforms
Non-Volatile Content	Informational
Infrared Spectrogram	Attached
Phenol Content	Conforms
Flashpoint	Conforms
Elemental Content	Does not conform
pH	Conforms
Viscosity	Conforms
Insoluble Matter	Conforms
Cleaning Efficiency	Conforms
Ash Content	Conforms
Titanium Stress Corrosion	Conforms

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Total Immersion Corrosion	Conforms
Hot Corrosion	Conforms
Sandwich Corrosion	Conforms
Effect on Painted Surfaces	Conforms
Effect on Silicone Elastomers	Conforms
Effect on Epoxy Adhesives	Conforms
Effect on Acrylic Materials	Conforms
Emulsibility	Conforms
Rinsibility	Conforms
Hard Water Stability	Conforms
Salt Water Stability	Conforms
Acid Stability	Conforms
Accelerated Storage Stability	Conforms
Low Temperature Stability	Conforms
Engine Cleaning Performance	To be performed by US Navy
Workmanship	Conforms

Respectfully submitted,

Patricia D. Viani, SMI Inc.