

# Case History #788: Preservation of Gas Turbine Engine Core



A Gas Turbine Compressor Train-C (GTC) needed two years of preservation. The engine core needed to be isolated first. This was done by fitting [VpCI®-126 HP UV Shrink Film](#) to various openings such as the engine air inlet, vents, and exhaust joints. [VpCI®-308 Pouches](#) were placed inside the engine bell mouth and the engine core was fogged with [VpCI®-337](#). The variable guide vane was cleaned and preserved before wrapping it in VpCI®-126 HP UV Shrink Film. A key benefit of this method was that the customer was able to preserve the engine core without having to remove it and place it in a nitrogen-purged canister.

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**Keywords:** Case History, preservation, gas turbine preservation, engine preservation, rust prevention, Cortec, alternatives to nitrogen purge

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